

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091993.D
 Acq On : 9 Jul 2016 11:34
 Operator : UM/SJ
 Sample : PB91976BS
 Misc : 4X internal std added
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91976BS

Quant Time: Jul 11 08:57:55 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	22760	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	103930	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	65151	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	129109	5.00	ng	0.00
31) Chrysene-d12	21.76	240	212698	5.00	ng	0.00
40) Perylene-d12	24.17	264	152076	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	45361	8.33	ng	0.00
5) Phenol-d6	7.35	99	61377	8.11	ng	-0.02
9) Nitrobenzene-d5	9.37	82	32604	4.61	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	15787	6.79	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	74755	4.70	ng	-0.01
34) Terphenyl-d14	20.22	244	93094	3.71	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	10753	3.48	ng	# 86
3) n-Nitrosodimethylamine	3.80	42	18059	4.53	ng	# 80
6) bis(2-Chloroethyl)ether	7.61	93	27895	4.23	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	23268	3.68	ng	# 100
10) Nitrobenzene	9.40	77	33404	4.35	ng	# 100
11) bis(2-Chloroethoxy)methane	10.40	93	36163	4.17	ng	# 13
12) Naphthalene	11.04	128	93169	3.85	ng	98
13) Hexachlorobutadiene	11.34	225	13268	3.61	ng	97
14) 2-Methylnaphthalene	12.66	142	62366	4.01	ng	95
18) Acenaphthylene	14.56	152	401486	4.91	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	72937	3.89	ng	# 10
20) Acenaphthene	14.92	154	64740	3.63	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	86832	4.16	ng	# 53
22) Fluorene	15.90	166	78877	4.20	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	37311	3.98	ng	100
25) 4-Bromophenyl-phenylether	16.78	248	22932	4.09	ng	100
26) Hexachlorobenzene	16.90	284	22177	3.98	ng	98
27) Pentachlorophenol	17.25	266	20331	6.80	ng	90
28) Phenanthrene	17.63	178	137174	4.08	ng	99
29) Anthracene	17.72	178	129540	4.12	ng	100
30) Fluoranthene	19.65	202	548956	3.80	ng	# 87
32) Benzidine	19.83	184	5674	0.54	ng	94
33) Pyrene	19.99	202	605840	3.91	ng	# 64
35) Benzo(a)anthracene	21.79	228	399428	11.21	ng	# 90
36) 3,3'-Dichlorobenzidine	21.67	252	18243	1.94	ng	# 61
37) Chrysene	21.79	228	402399	7.97	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	143079	3.47	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	774629	3.91	ng	97
41) Benzo(b)fluoranthene	23.42	252	166788	3.97	ng	97
42) Benzo(k)fluoranthene	23.48	252	179256	4.42	ng	97
43) Benzo(a)pyrene	24.06	252	161572	4.07	ng	96
44) Dibenzo(a,h)anthracene	26.72	278	162204	4.35	ng	97
45) Benzo(g,h,i)perylene	27.47	276	656440	4.31	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

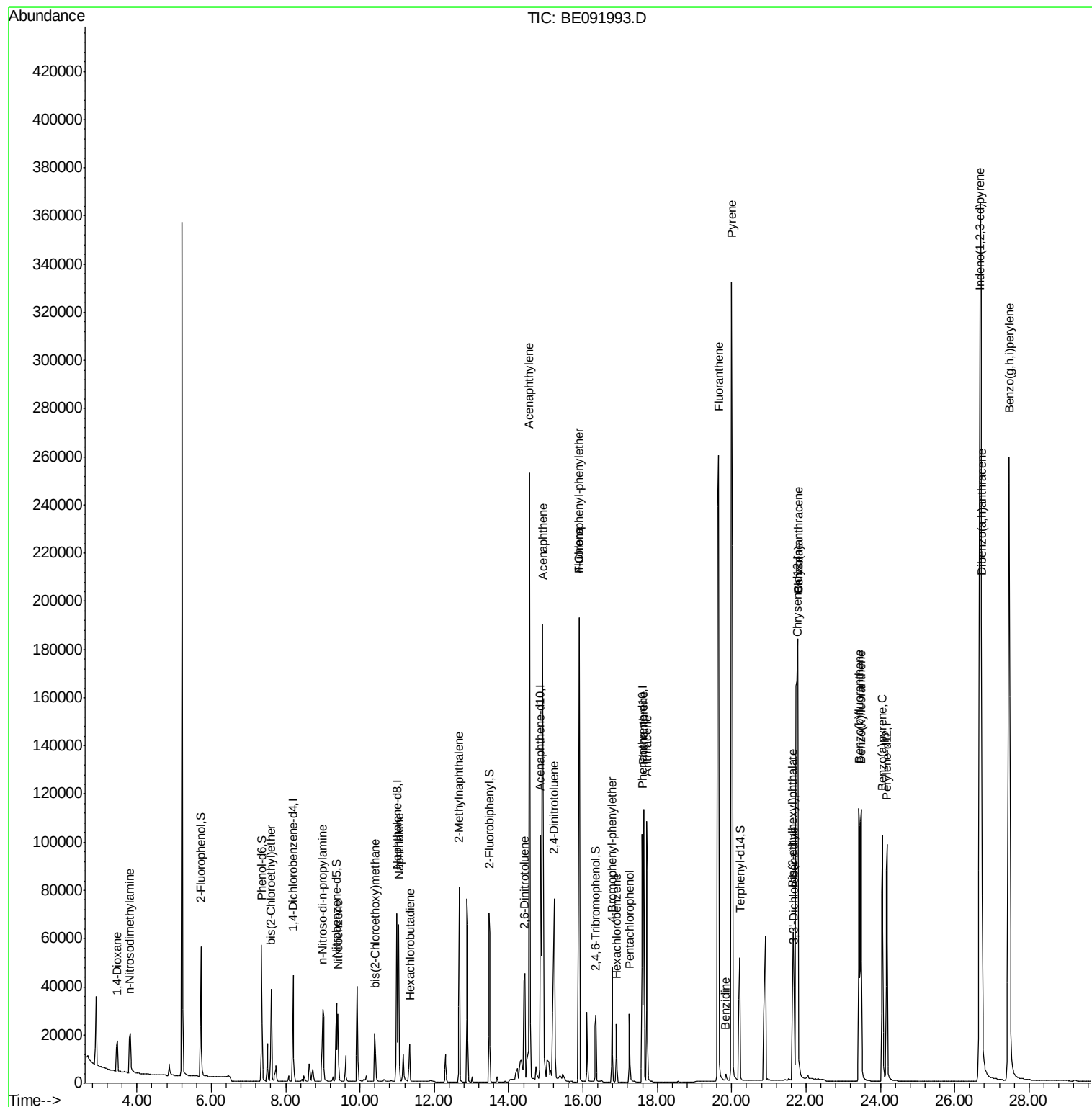
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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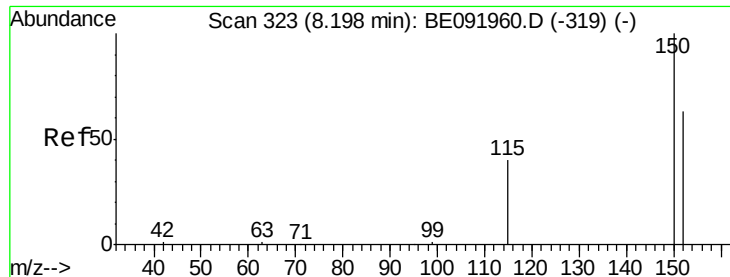
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

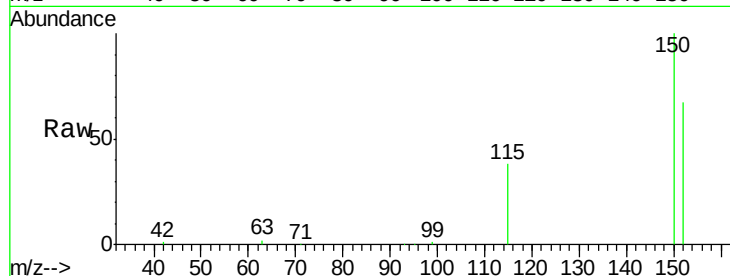
Tgt Ion:152 Resp: 22760

Ion Ratio Lower Upper

152 100

150 150.1 123.9 185.9

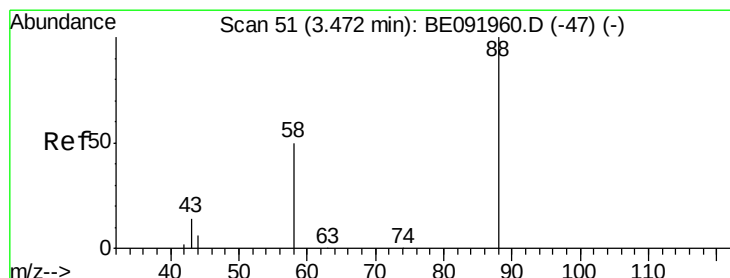
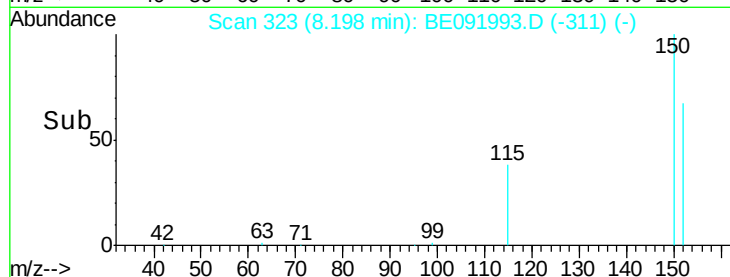
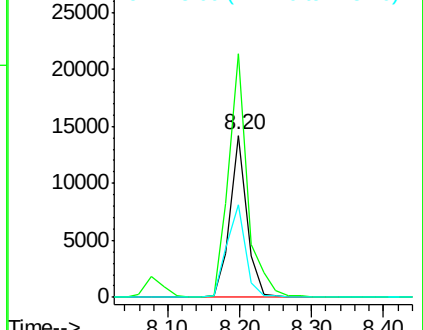
115 57.4 48.3 72.5



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: 3.48 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

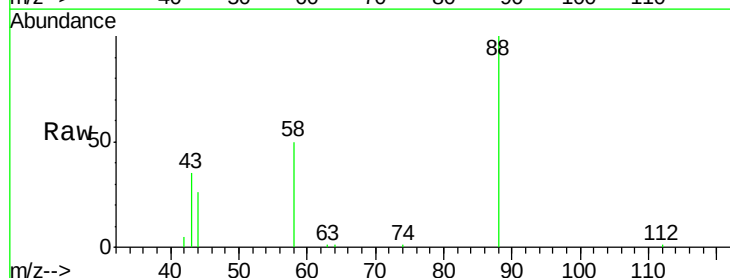
Tgt Ion: 88 Resp: 10753

Ion Ratio Lower Upper

88 100

58 88.6 63.0 94.4

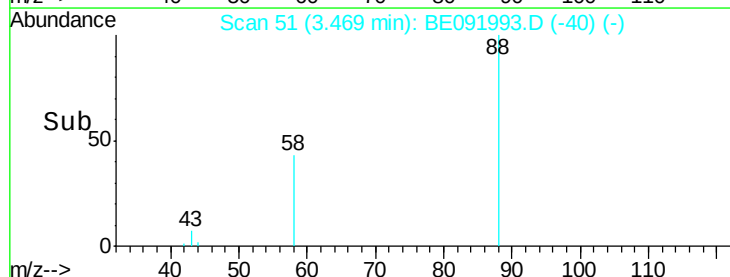
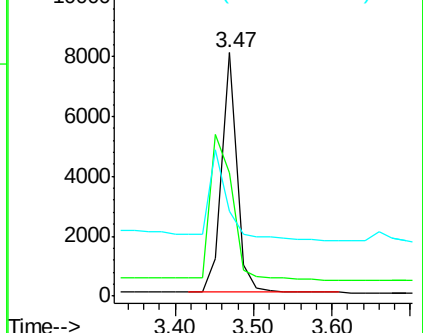
43 47.8 29.1 43.7#

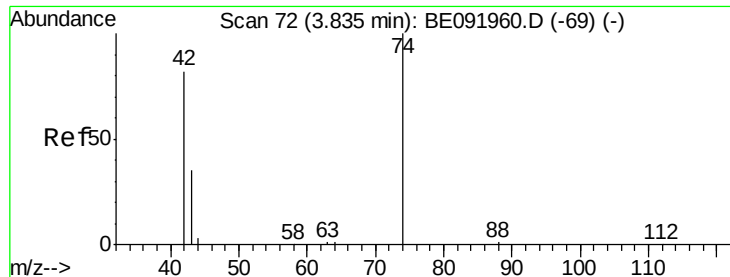


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.53 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.04 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

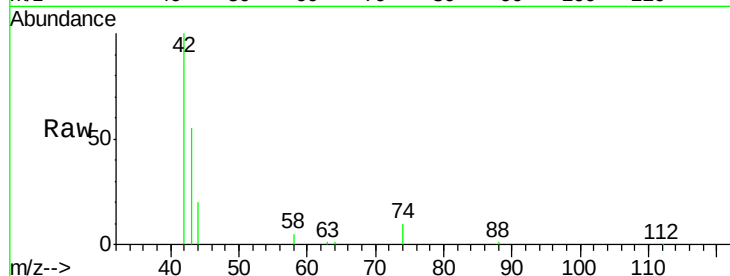
Tgt Ion: 42 Resp: 18059

Ion Ratio Lower Upper

42 100

74 94.4 93.4 140.0

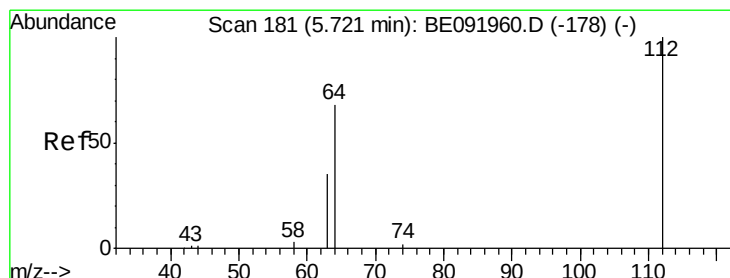
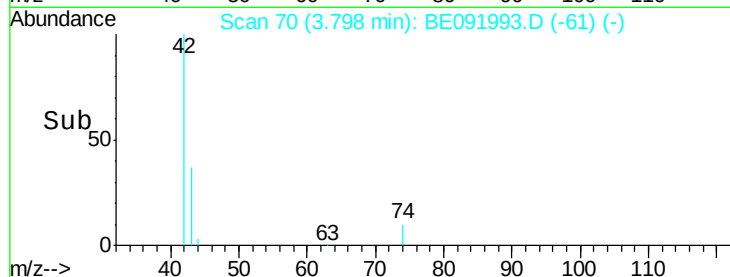
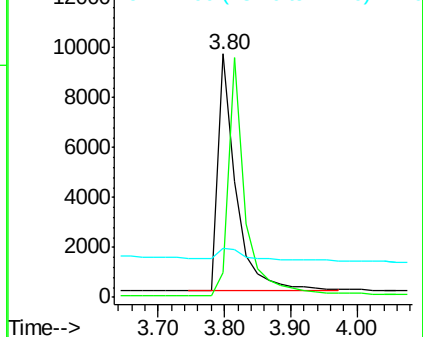
44 8.9 5.0 7.6#



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: 8.33 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

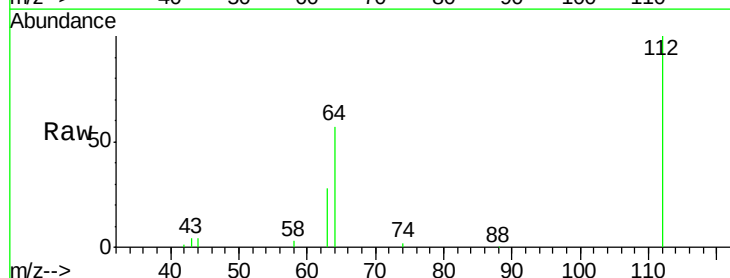
Tgt Ion: 112 Resp: 45361

Ion Ratio Lower Upper

112 100

64 66.4 53.7 80.5

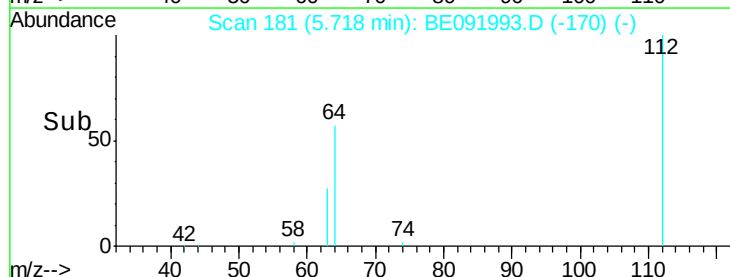
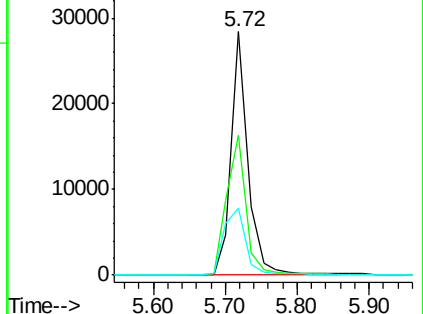
63 35.9 29.5 44.3

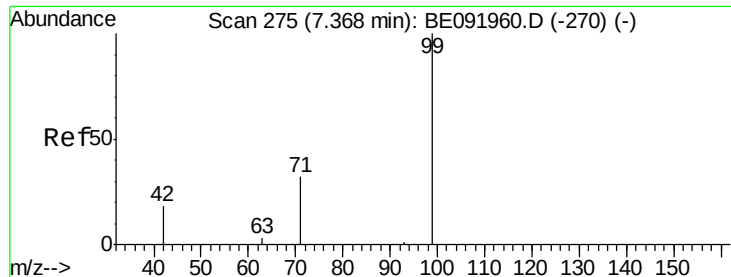


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.11 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

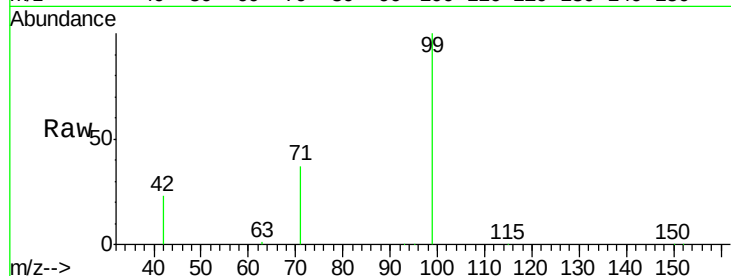
Tgt Ion: 99 Resp: 61377

Ion Ratio Lower Upper

99 100

42 25.3 19.6 29.4

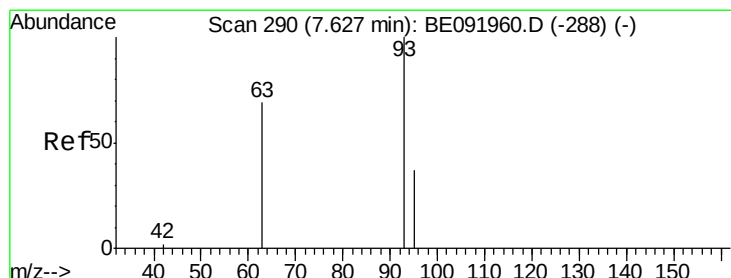
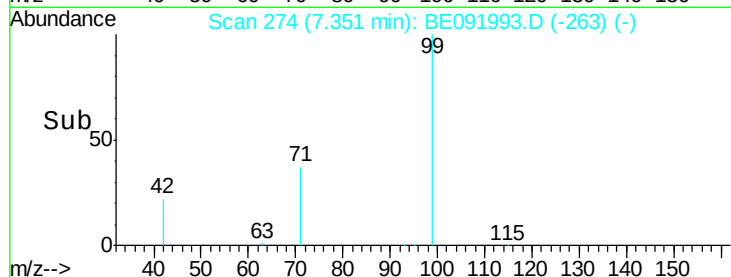
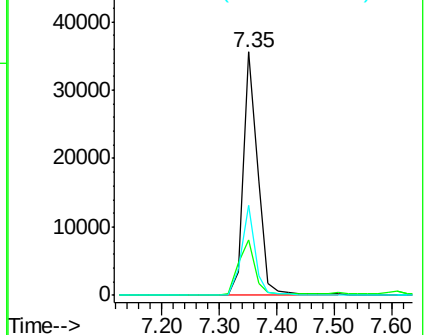
71 35.0 28.1 42.1



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: 4.23 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

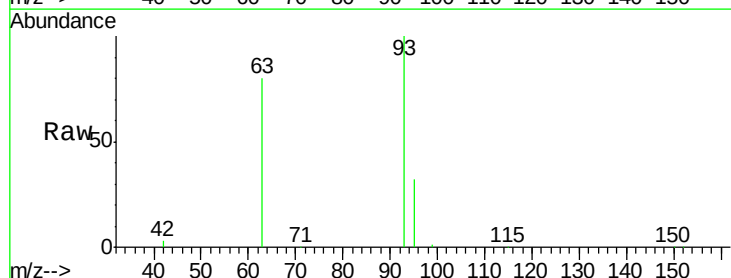
Tgt Ion: 93 Resp: 27895

Ion Ratio Lower Upper

93 100

63 85.5 66.2 99.4

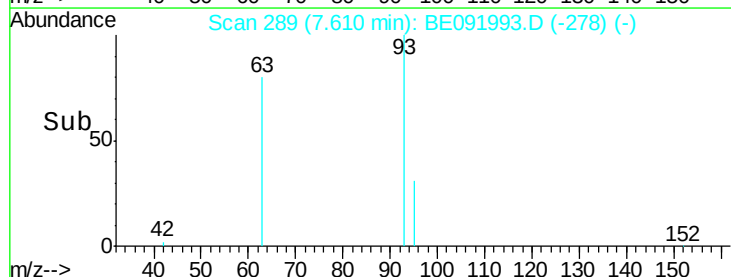
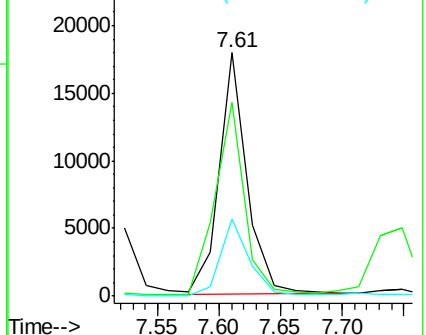
95 32.7 25.5 38.3

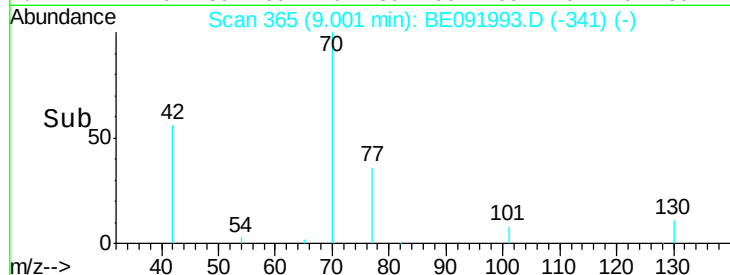
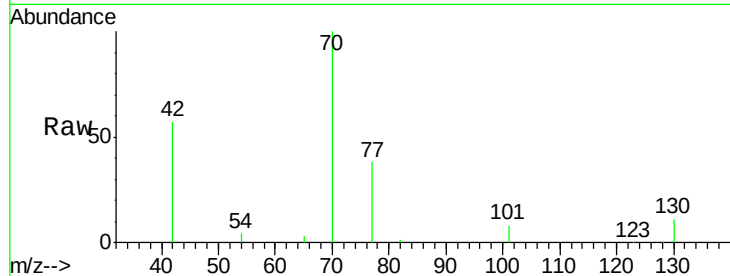
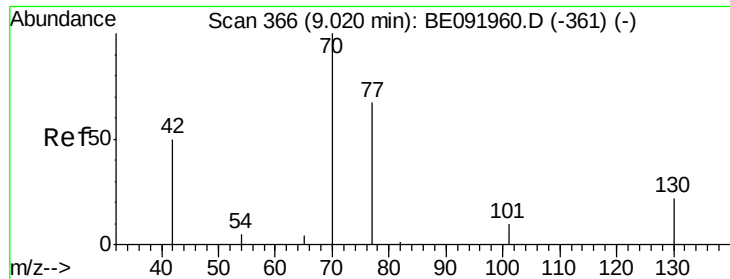


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 3.68 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

Tgt Ion: 70 Resp: 23268

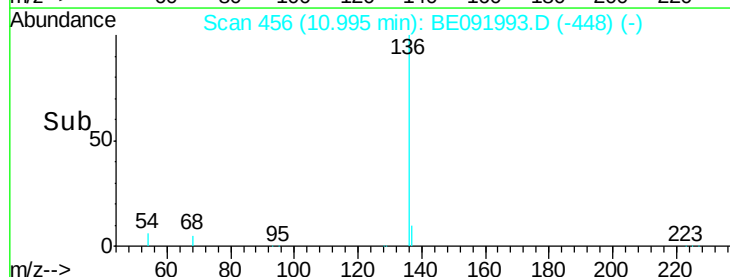
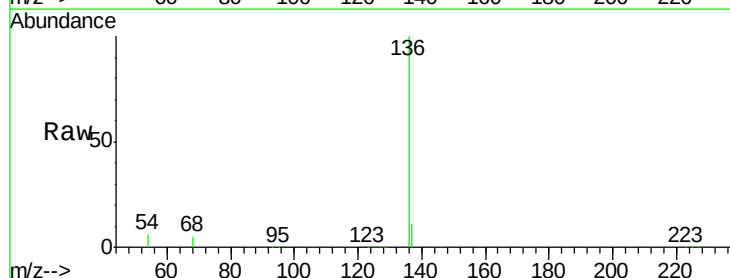
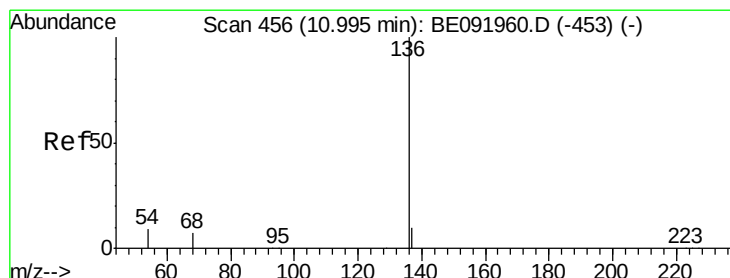
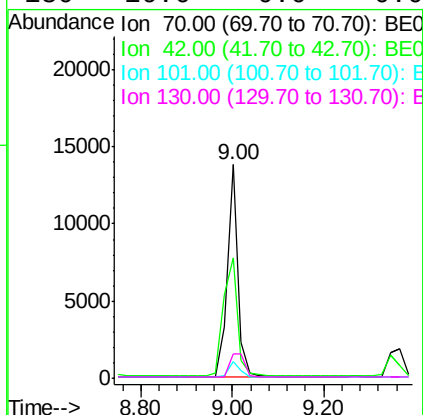
Ion Ratio Lower Upper

70 100

42 73.0 58.4 87.6

101 8.2 6.4 9.6

130 16.6 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: BE091993.D

Acq: 9 Jul 2016 11:34

Tgt Ion: 136 Resp: 103930

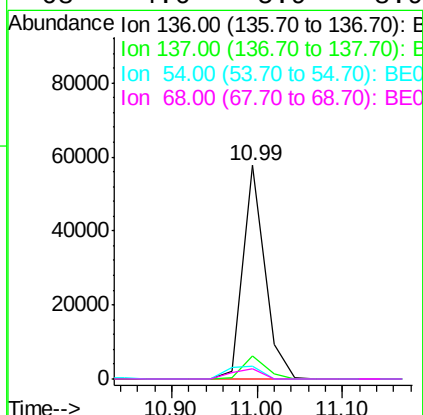
Ion Ratio Lower Upper

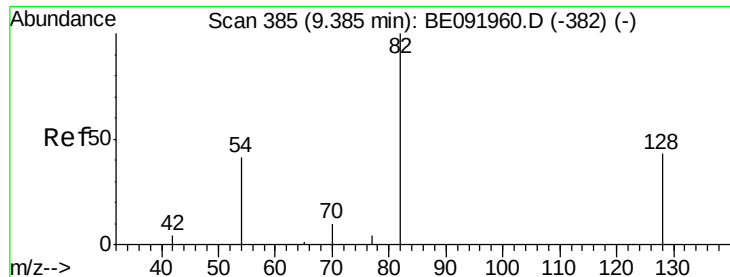
136 100

137 10.5 8.3 12.5

54 5.8 8.2 12.4#

68 4.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.61 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

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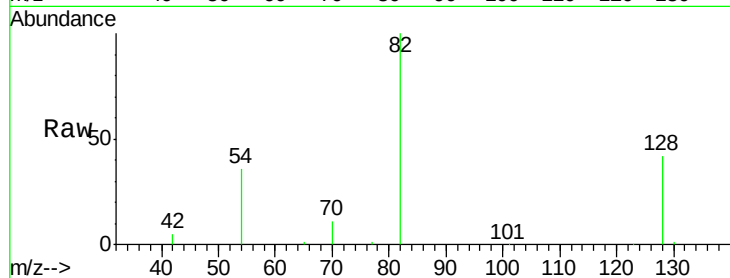
Tgt Ion: 82 Resp: 32604

Ion Ratio Lower Upper

82 100

128 41.6 39.5 59.3

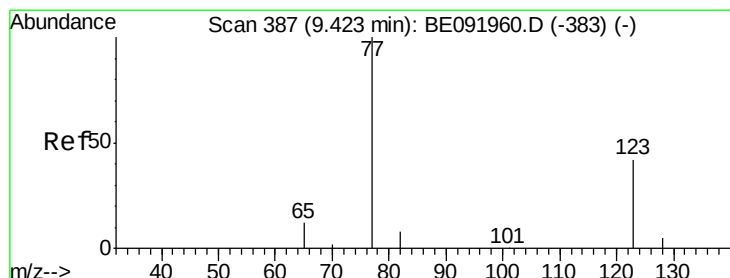
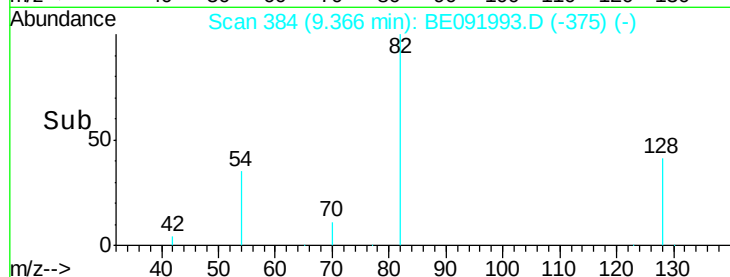
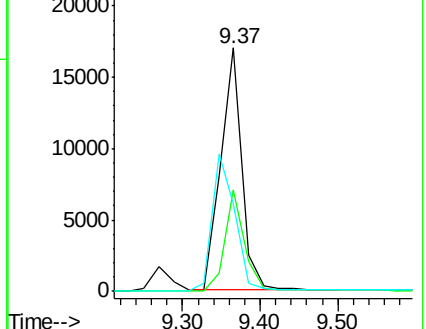
54 35.7 30.3 45.5



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: 4.35 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

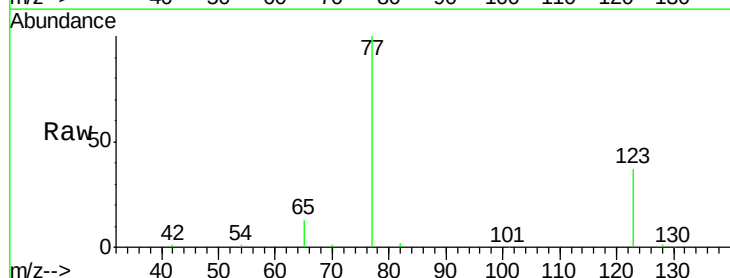
Tgt Ion: 77 Resp: 33404

Ion Ratio Lower Upper

77 100

123 38.1 0.0 0.0#

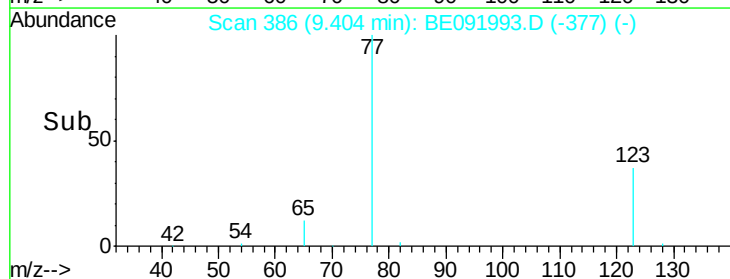
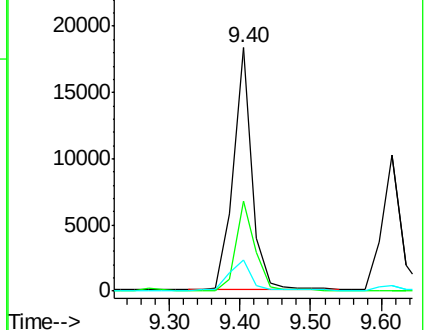
65 14.0 11.1 16.7

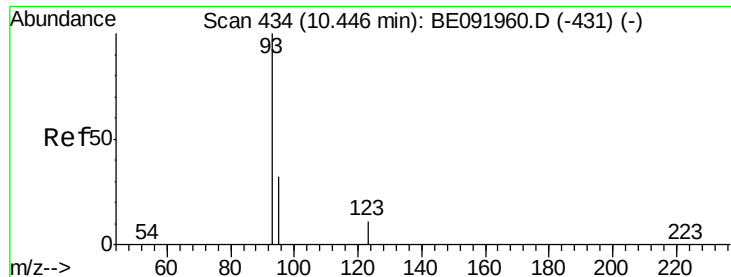


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

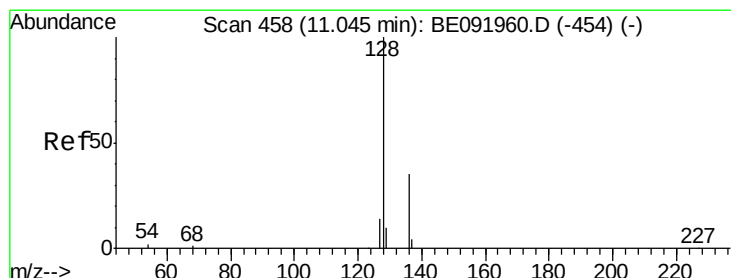
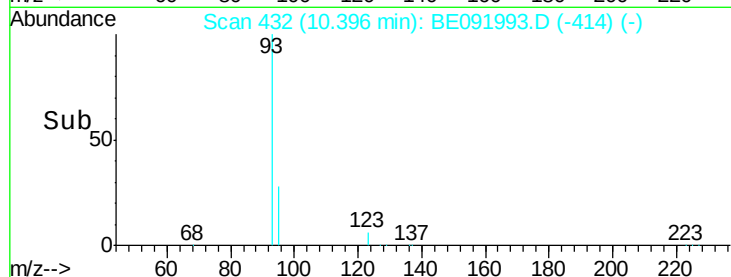
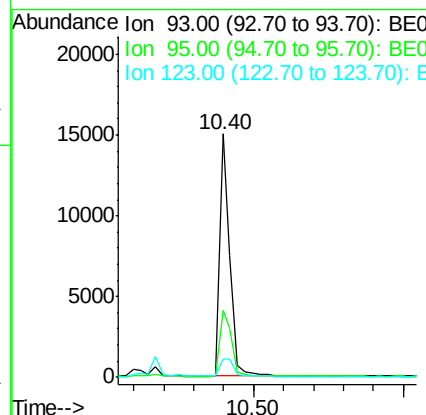
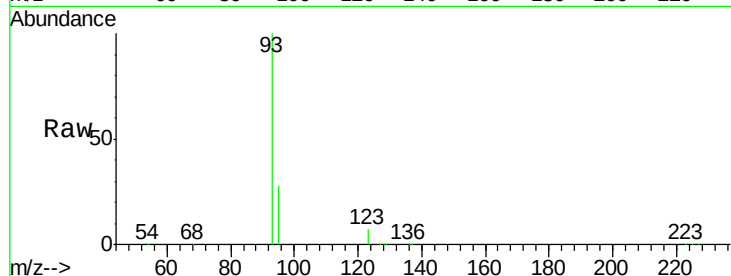




#11
bis(2-Chloroethoxy)methane
Concen: 4.17 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE091993.D
Acq: 9 Jul 2016 11:34

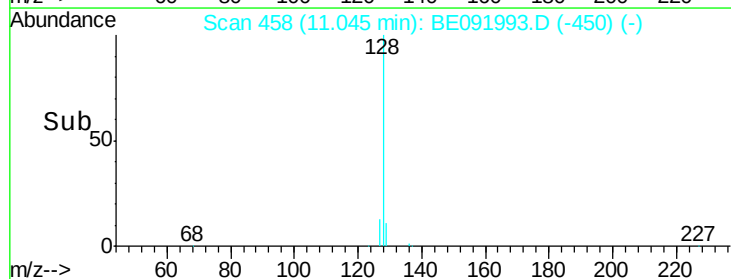
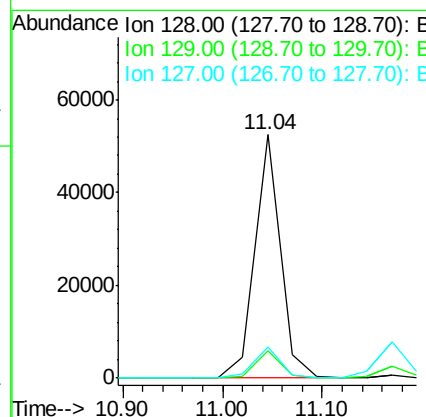
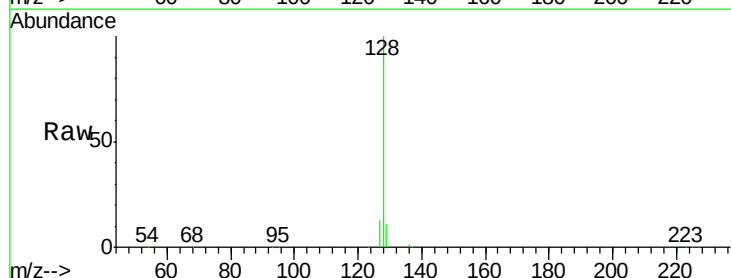
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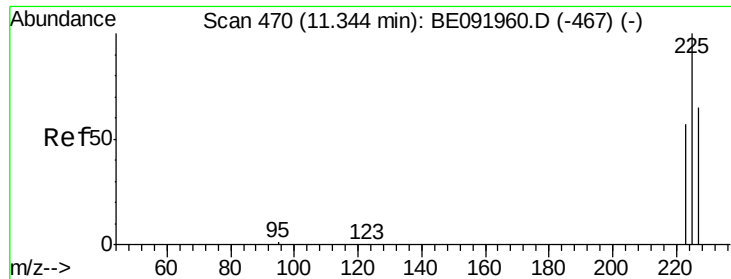
Tgt Ion: 93 Resp: 36163
Ion Ratio Lower Upper
93 100
95 31.7 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 3.85 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091993.D
Acq: 9 Jul 2016 11:34

Tgt Ion: 128 Resp: 93169
Ion Ratio Lower Upper
128 100
129 11.2 10.4 15.6
127 12.8 10.2 15.2

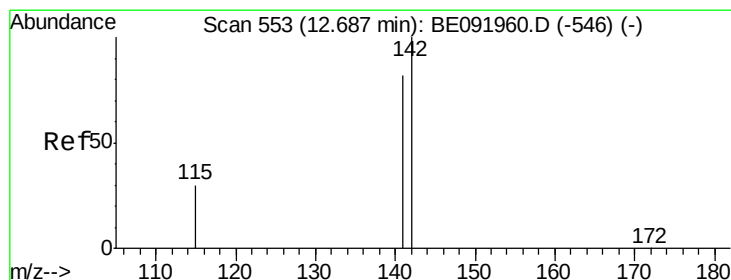
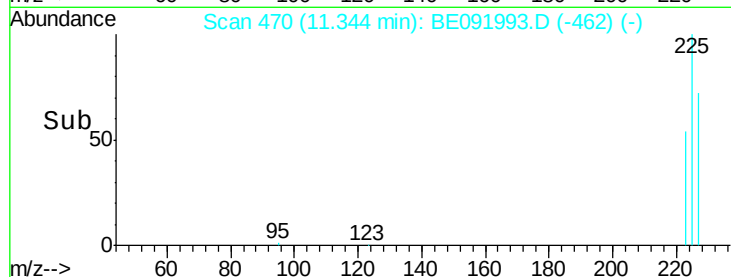
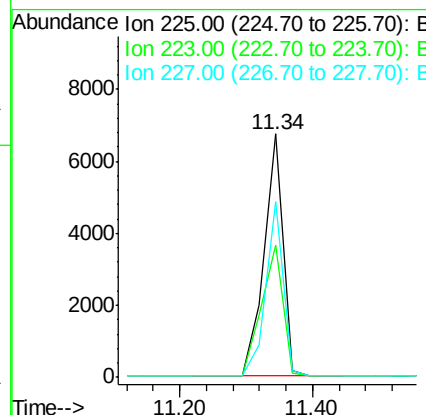
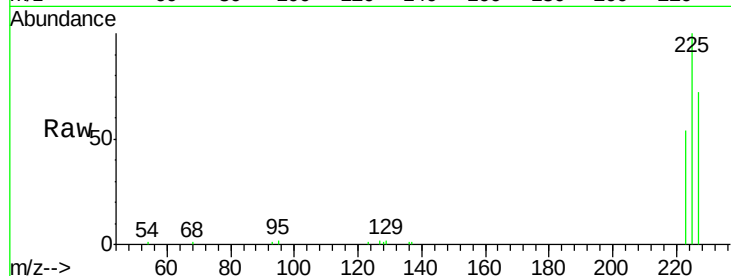




#13
Hexachlorobutadiene
Concen: 3.61 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091993.D
Acq: 9 Jul 2016 11:34

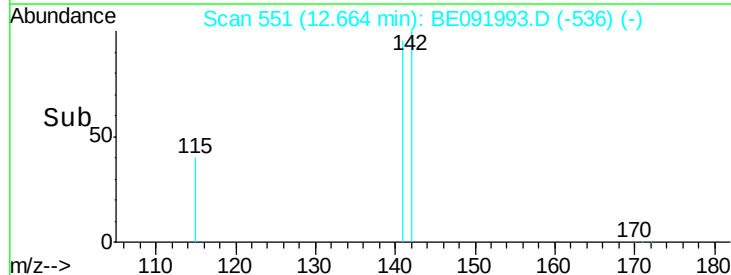
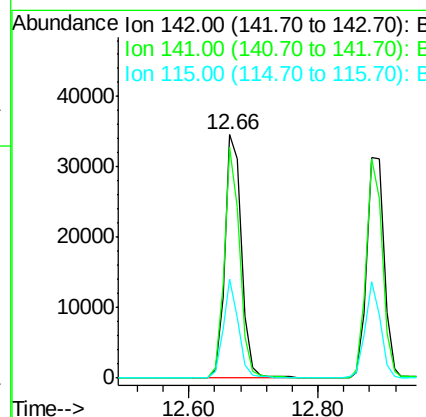
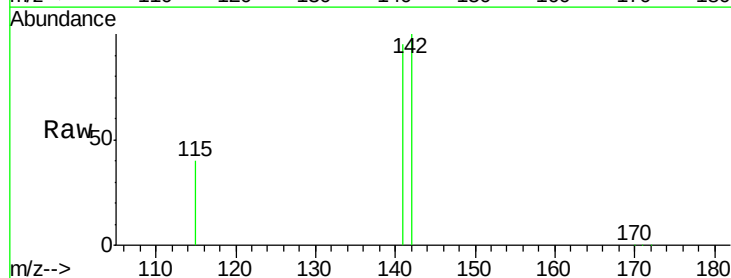
Instrument :
BNA_E
ClientSampleId :
PB91976BS

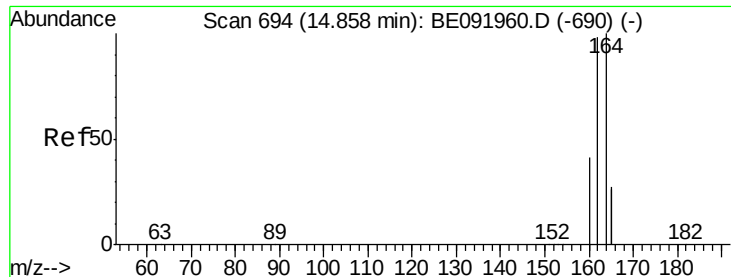
Tgt Ion: 225 Resp: 13268
Ion Ratio Lower Upper
225 100
223 60.8 49.8 74.8
227 66.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.01 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE091993.D
Acq: 9 Jul 2016 11:34

Tgt Ion: 142 Resp: 62366
Ion Ratio Lower Upper
142 100
141 94.9 71.9 107.9
115 40.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

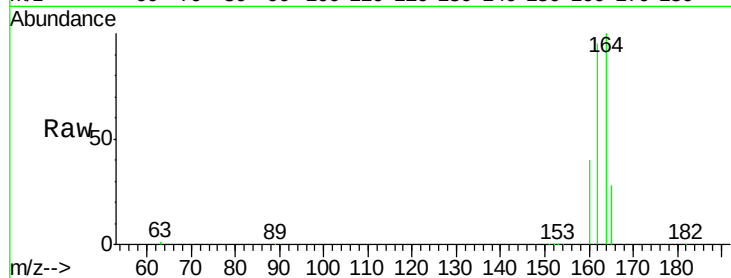
Tgt Ion:164 Resp: 65151

Ion Ratio Lower Upper

164 100

162 95.2 71.8 107.8

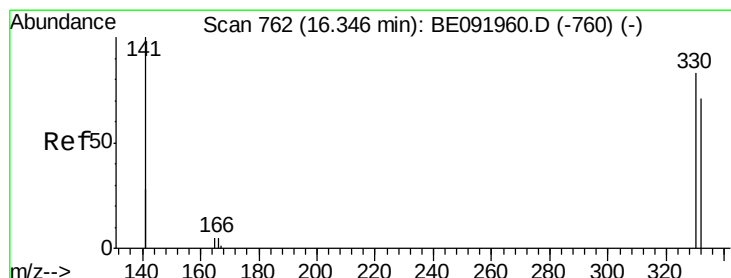
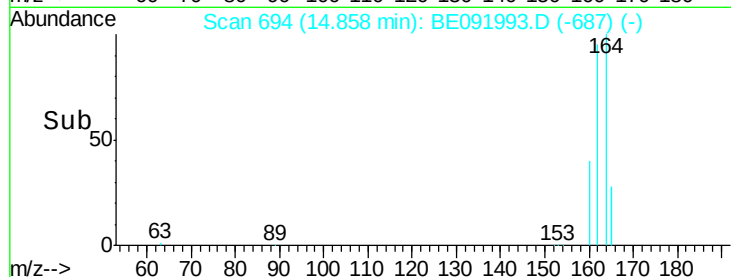
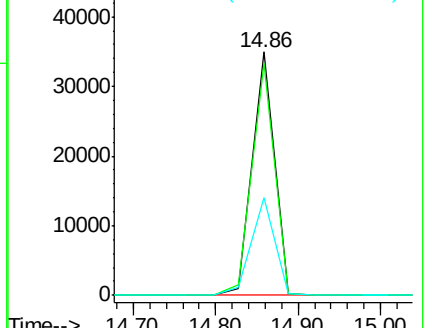
160 39.9 28.0 42.0



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: 6.79 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

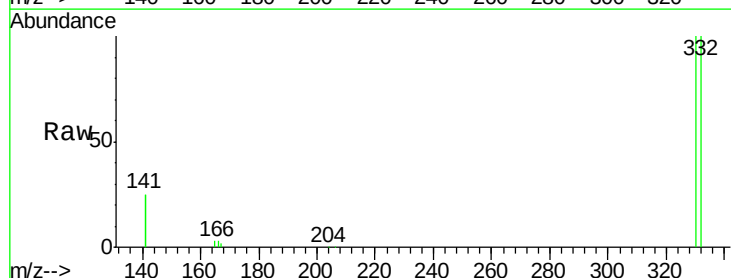
Tgt Ion:330 Resp: 15787

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

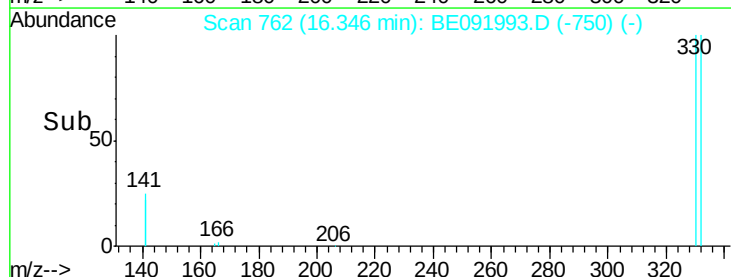
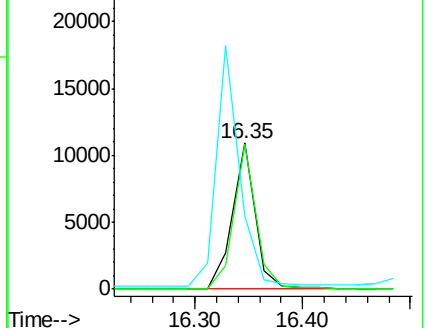
141 169.5 138.4 207.6

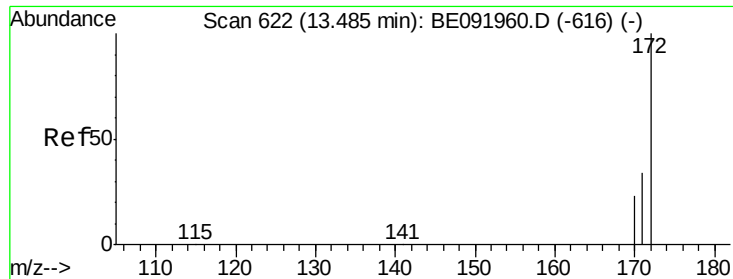


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

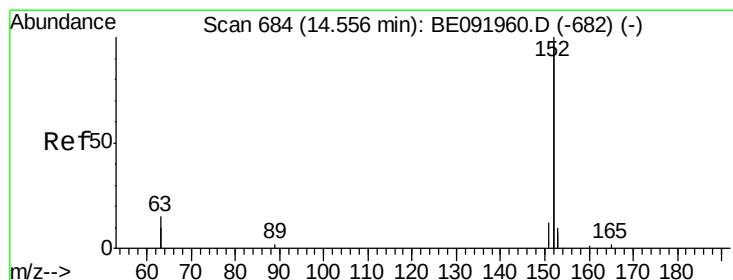
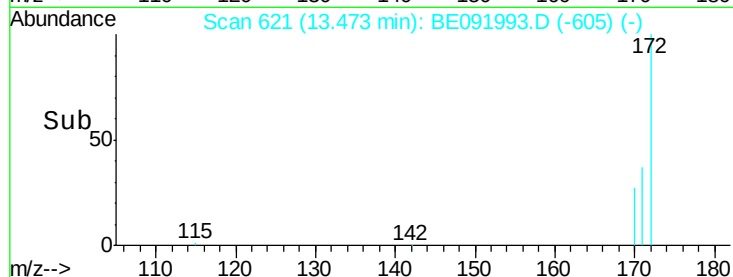
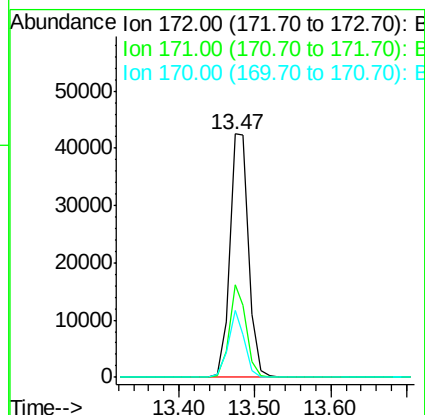
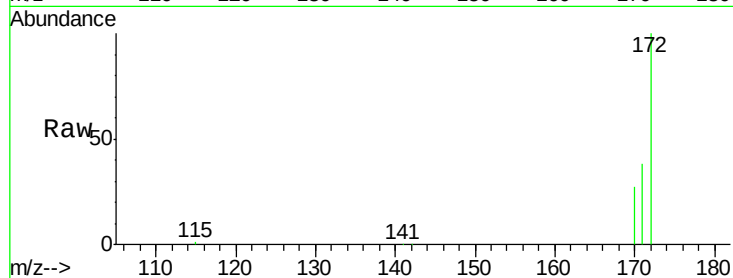




#17
 2-Fluorobiphenyl
 Concen: 4.70 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

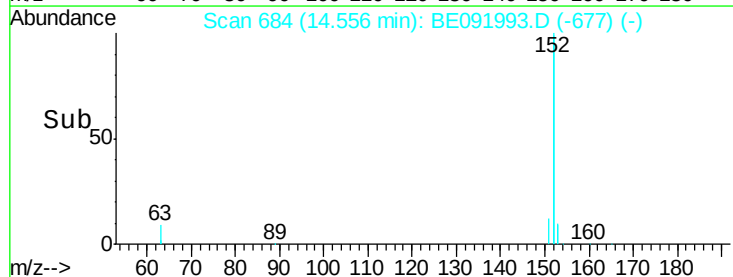
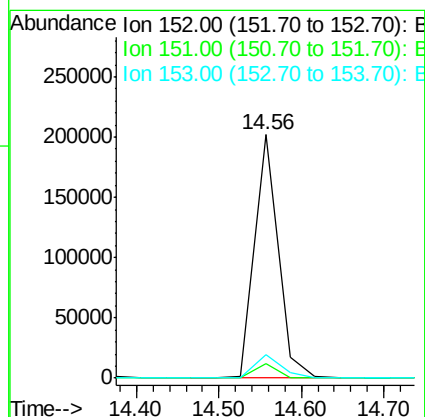
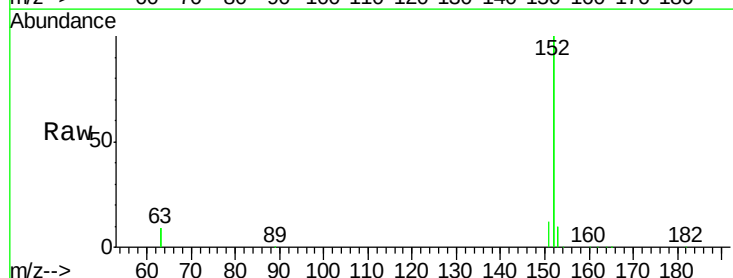
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BS

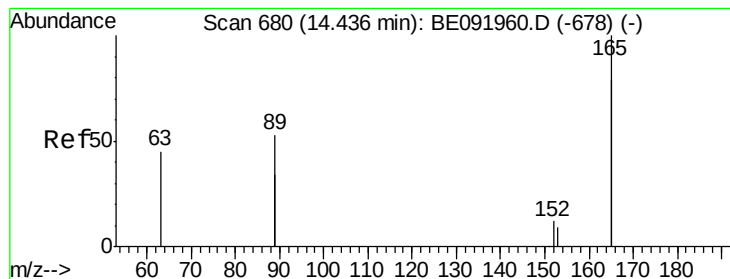
Tgt Ion:172 Resp: 74755
 Ion Ratio Lower Upper
 172 100
 171 37.8 24.3 36.5#
 170 27.3 14.9 22.3#



#18
 Acenaphthylene
 Concen: 4.91 ng
 RT: 14.56 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

Tgt Ion:152 Resp: 401486
 Ion Ratio Lower Upper
 152 100
 151 5.7 19.4 29.2#
 153 10.9 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.89 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

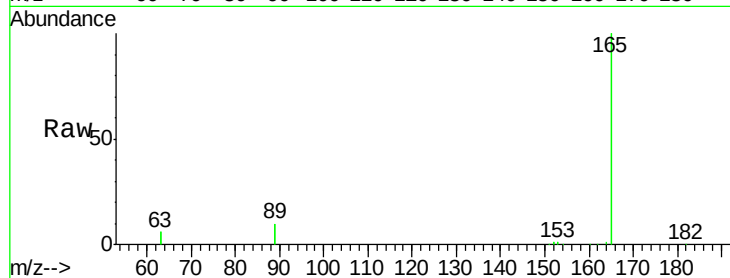
Tgt Ion:165 Resp: 72937

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

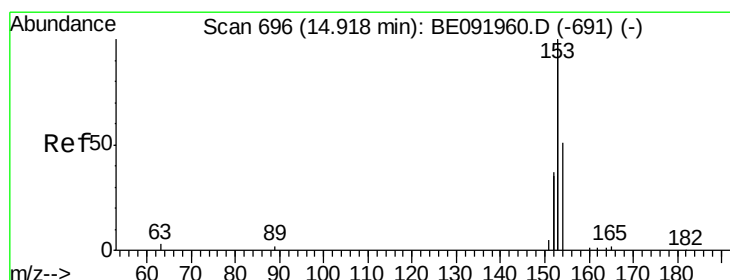
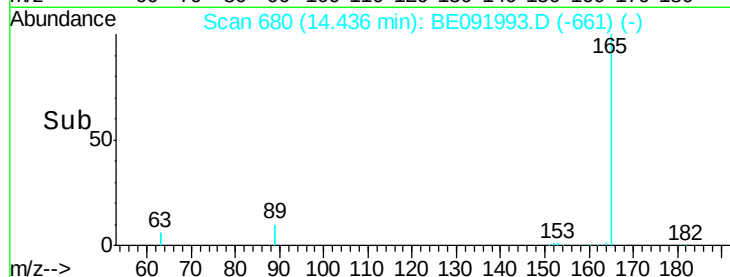
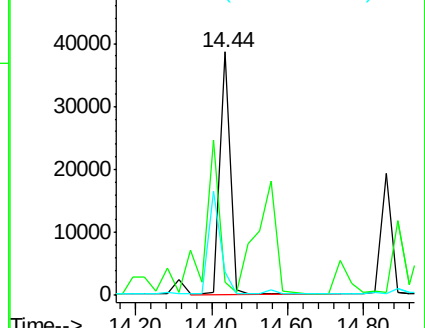
89 0.0 59.1 88.7#



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



#20

Acenaphthene

Concen: 3.63 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

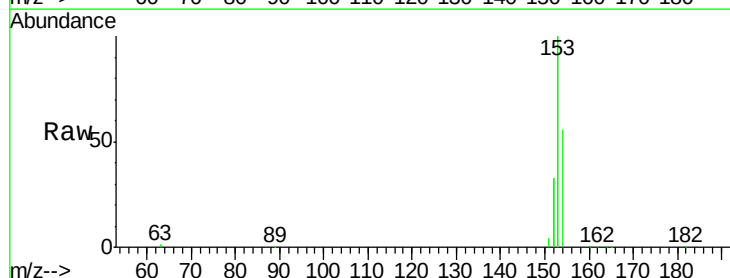
Tgt Ion:154 Resp: 64740

Ion Ratio Lower Upper

154 100

153 368.8 88.1 132.1#

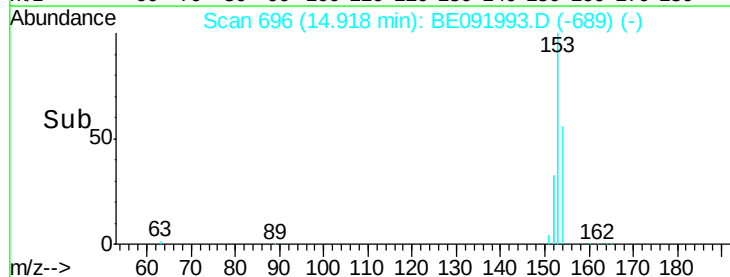
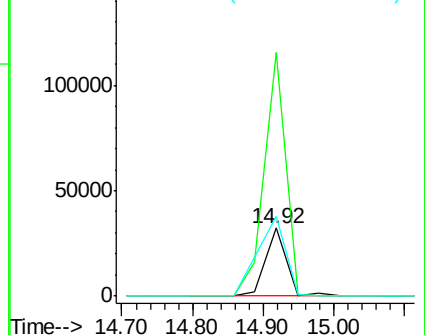
152 155.6 44.2 66.2#

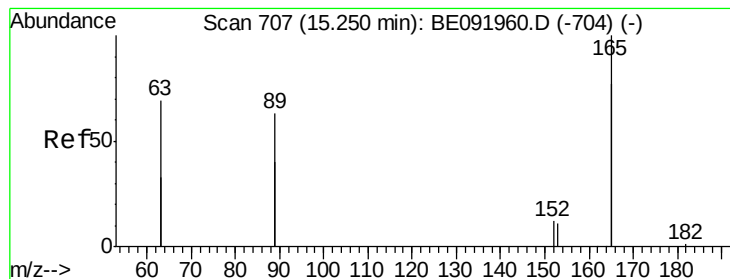


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 4.16 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

Tgt Ion:165 Resp: 86832

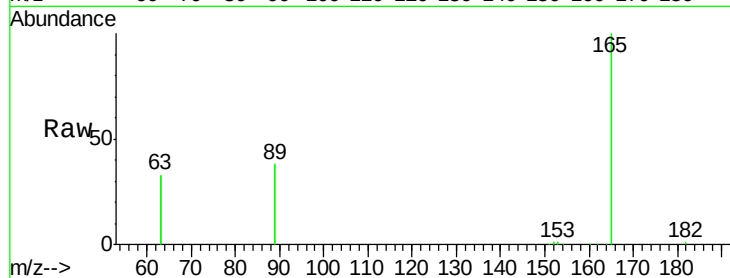
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 71.8 99.8 149.8#

182 0.4 0.0 0.0#

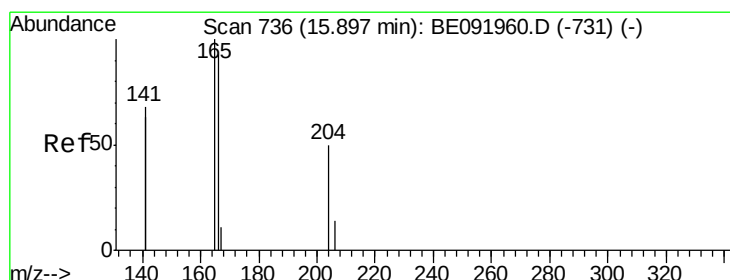
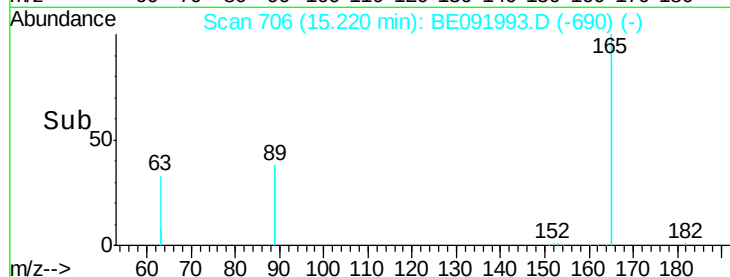
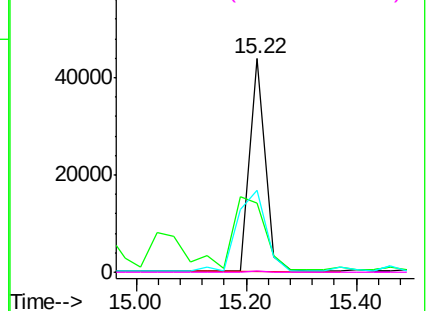


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.20 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

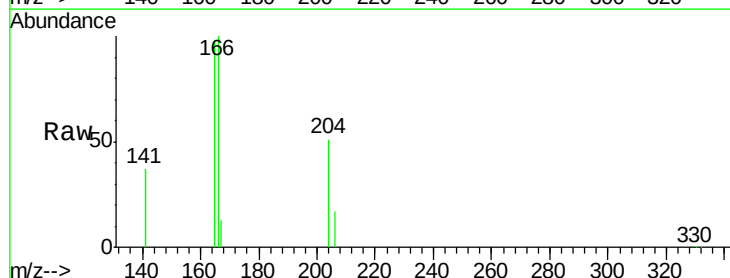
Tgt Ion:166 Resp: 78877

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

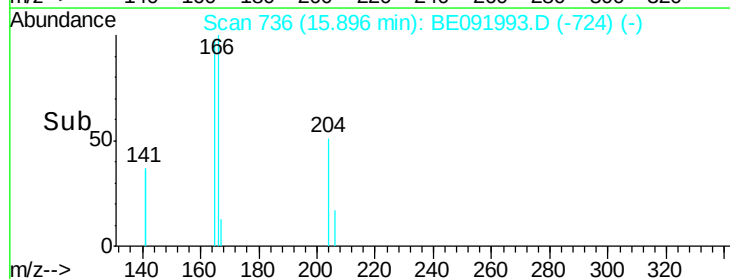
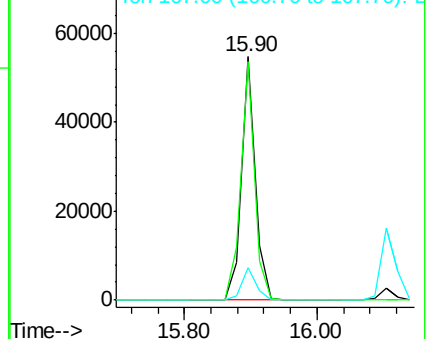
167 13.6 10.8 16.2

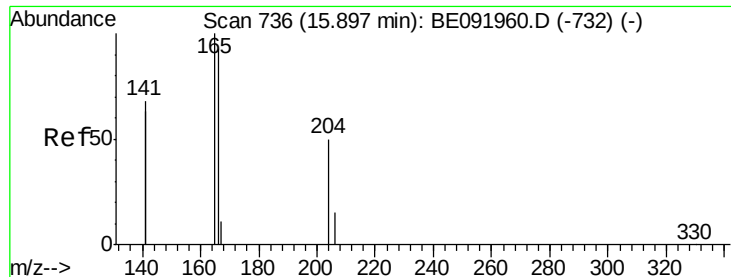


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 3.98 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

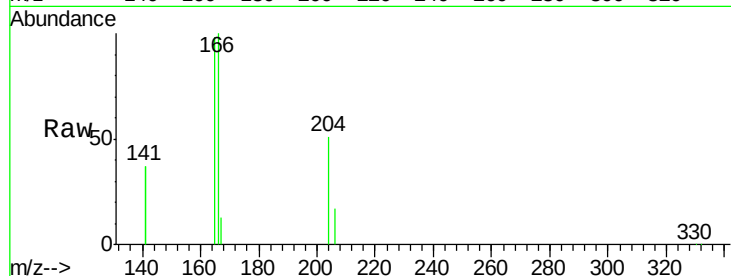
Tgt Ion:204 Resp: 37311

Ion Ratio Lower Upper

204 100

206 34.1 27.8 41.6

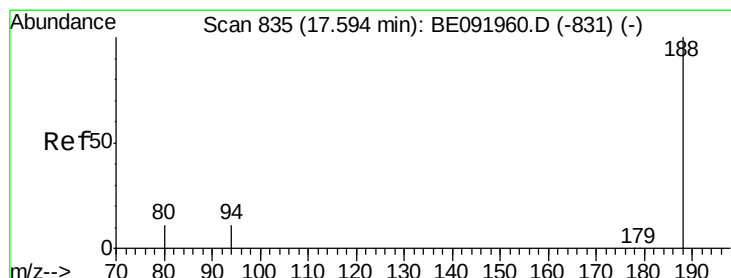
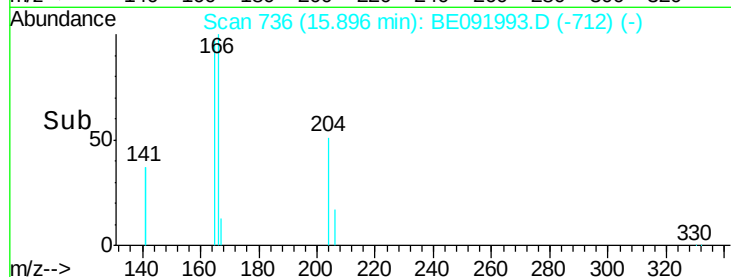
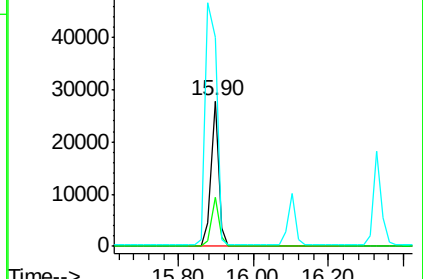
141 247.7 197.6 296.4



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: 17.59 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

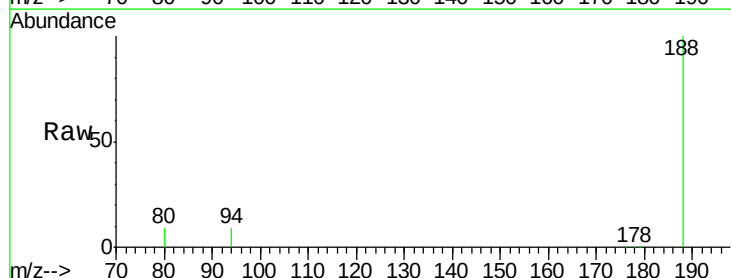
Tgt Ion:188 Resp: 129109

Ion Ratio Lower Upper

188 100

94 8.9 4.1 6.1#

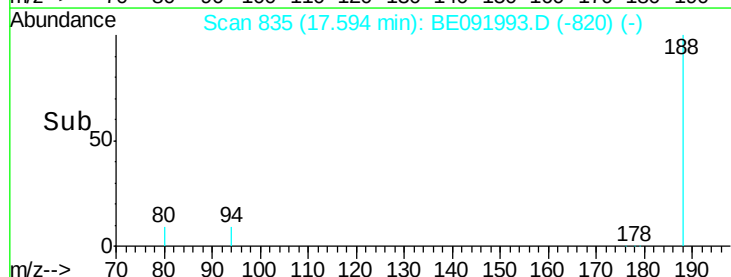
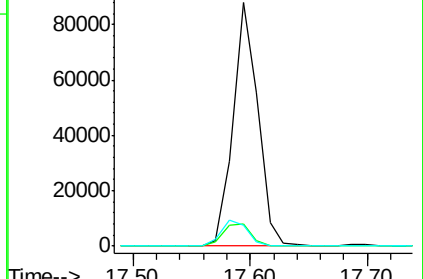
80 8.6 3.4 5.2#

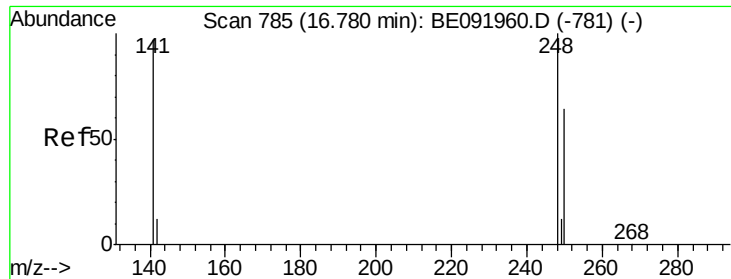


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

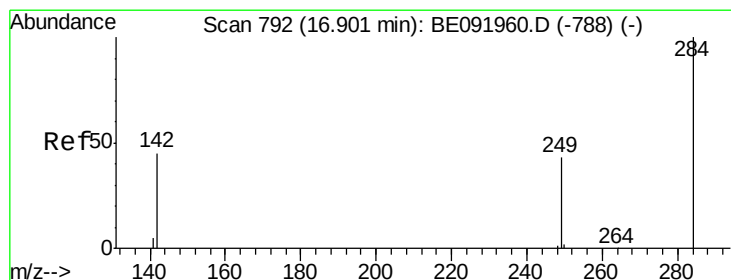
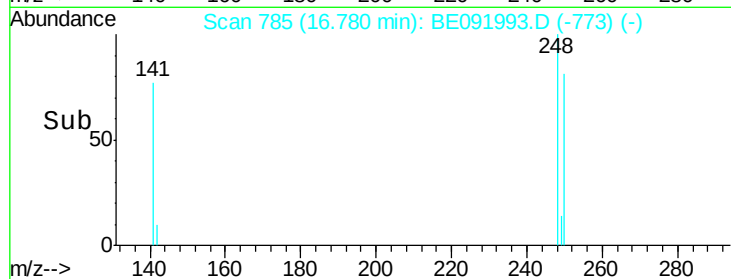
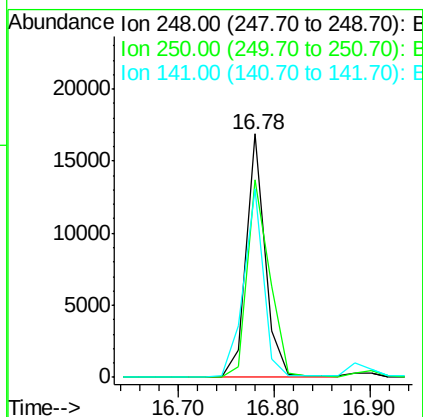
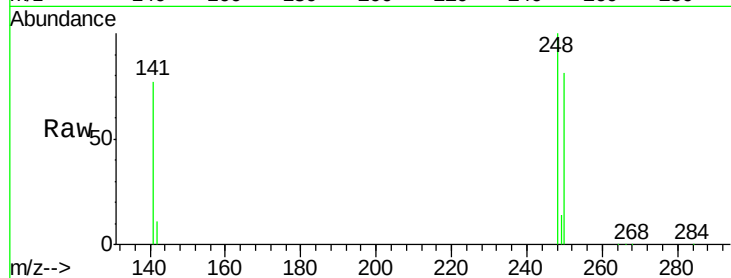




#25
 4-Bromophenyl-phenylether
 Concen: 4.09 ng
 RT: 16.78 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

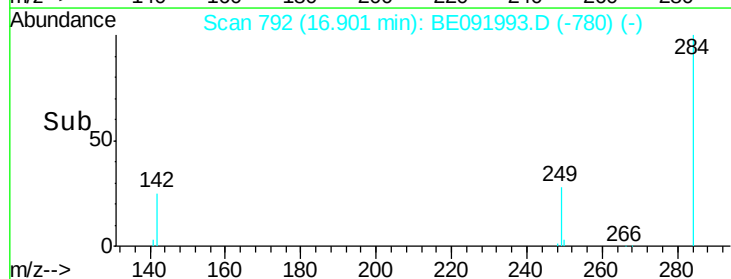
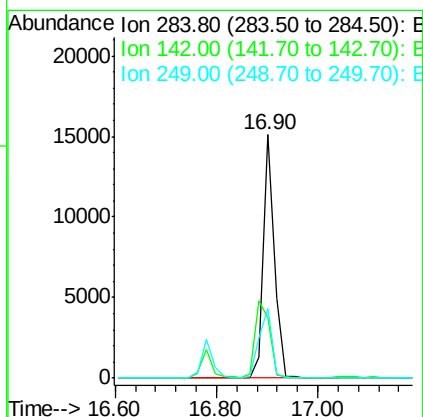
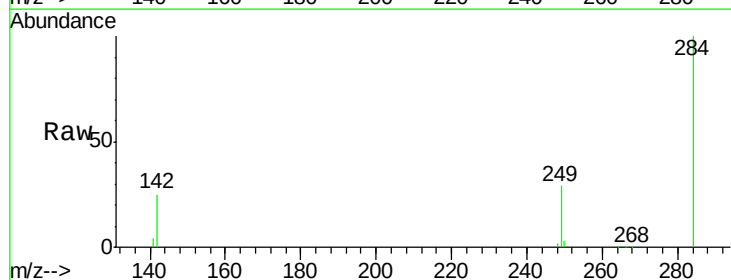
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BS

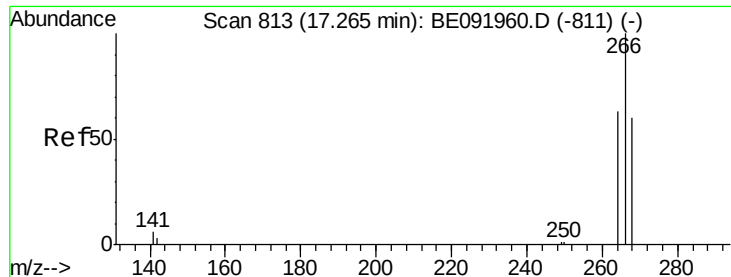
Tgt Ion:248 Resp: 22932
 Ion Ratio Lower Upper
 248 100
 250 94.7 75.7 113.5
 141 81.0 64.6 97.0



#26
 Hexachlorobenzene
 Concen: 3.98 ng
 RT: 16.90 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

Tgt Ion:284 Resp: 22177
 Ion Ratio Lower Upper
 284 100
 142 40.8 31.4 47.2
 249 32.6 25.3 37.9

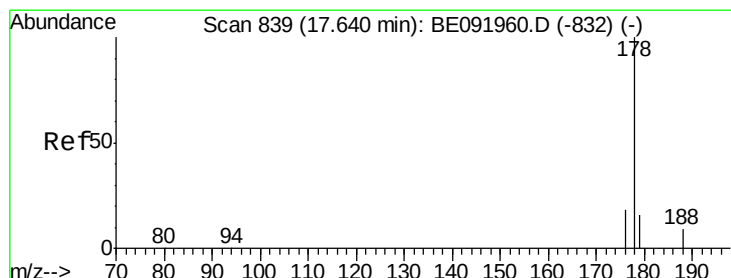
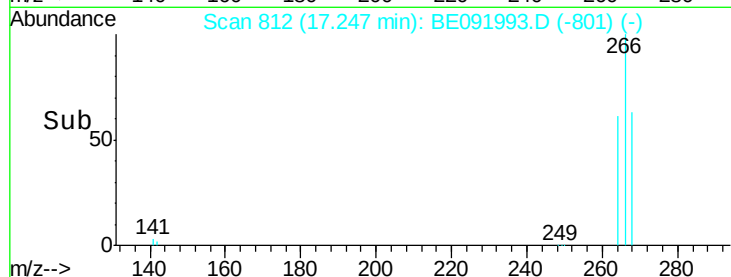
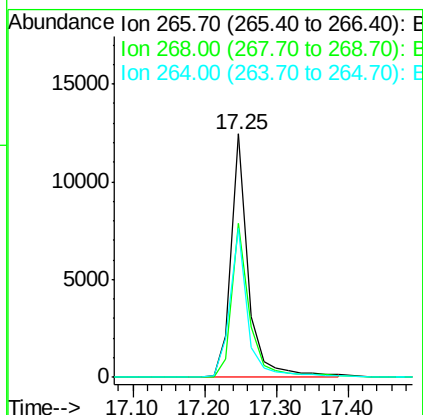
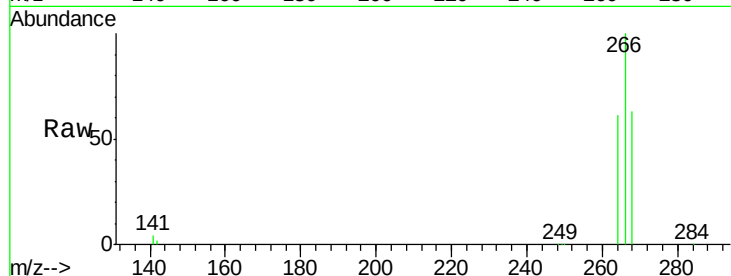




#27
 Pentachlorophenol
 Concen: 6.80 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

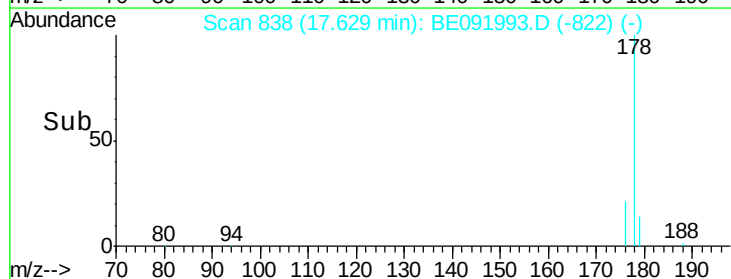
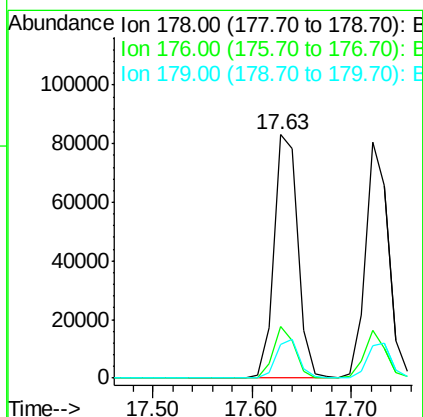
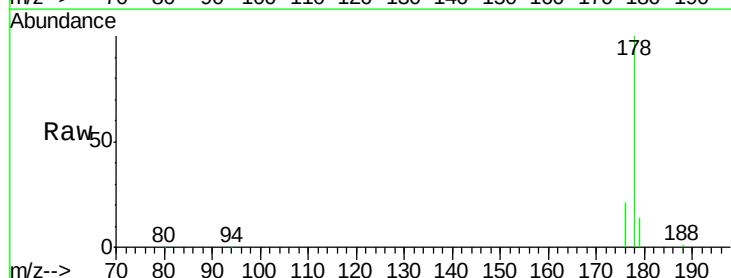
Instrument :
 BNA_E
 ClientSampleId :
 PB91976BS

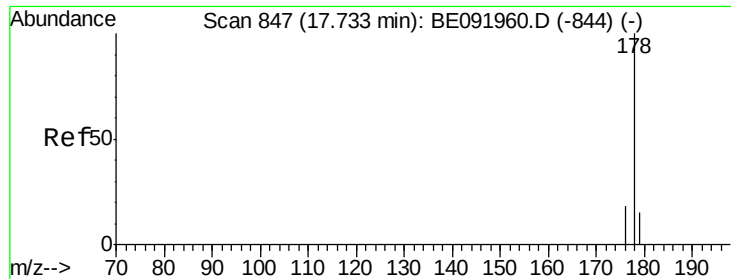
Tgt Ion:266 Resp: 20331
 Ion Ratio Lower Upper
 266 100
 268 63.0 60.5 90.7
 264 61.1 51.0 76.4



#28
 Phenanthrene
 Concen: 4.08 ng
 RT: 17.63 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

Tgt Ion:178 Resp: 137174
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.5 12.9 19.3





#29

Anthracene

Concen: 4.12 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

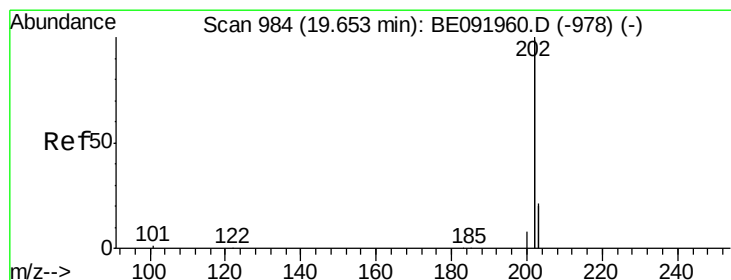
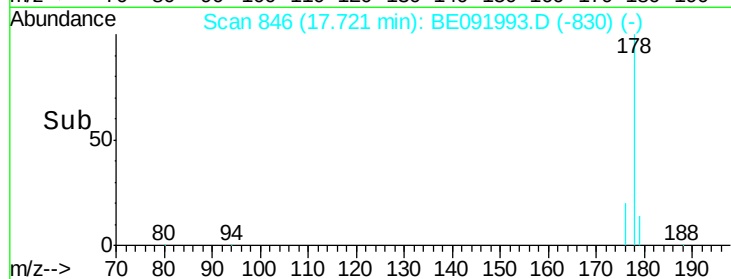
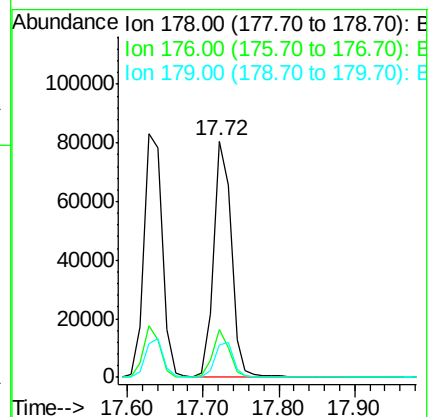
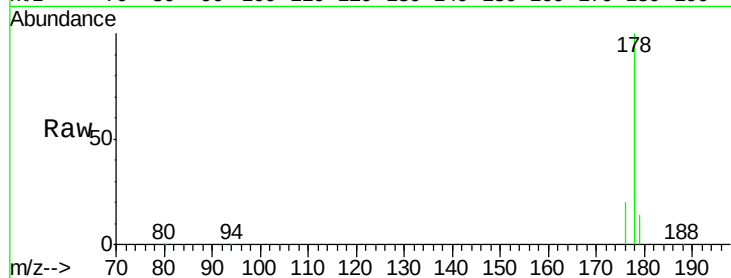
Tgt Ion:178 Resp: 129540

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.4 12.1 18.1



#30

Fluoranthene

Concen: 3.80 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

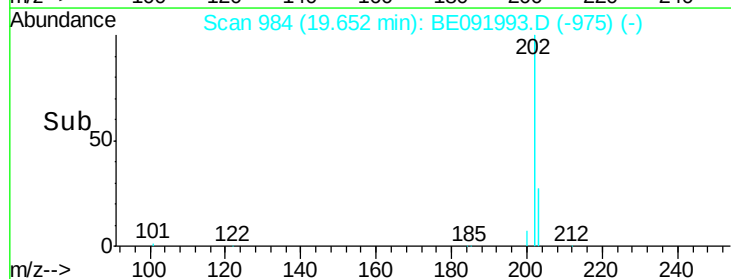
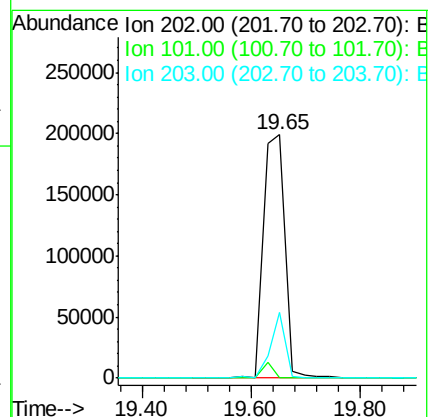
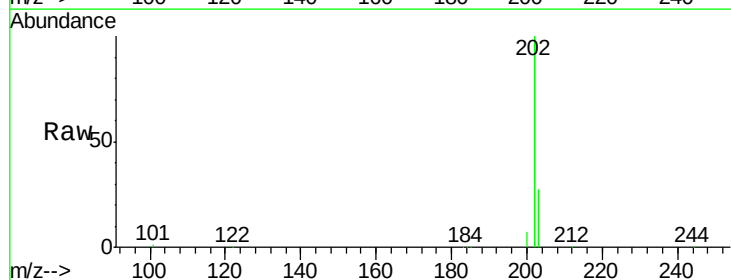
Tgt Ion:202 Resp: 548956

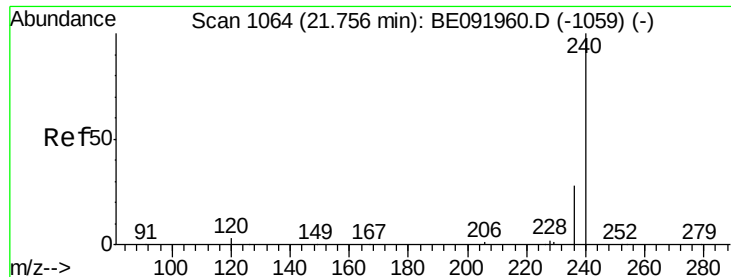
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 18.5 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: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

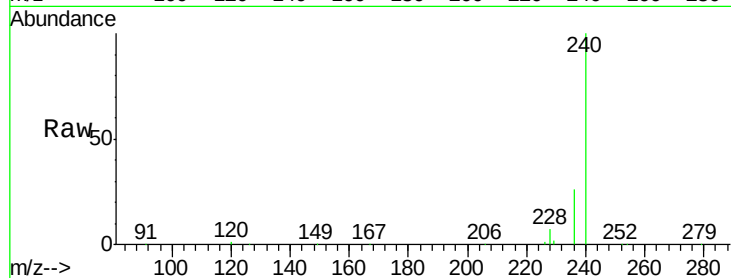
Tgt Ion:240 Resp: 212698

Ion Ratio Lower Upper

240 100

120 1.1 1.2 1.8#

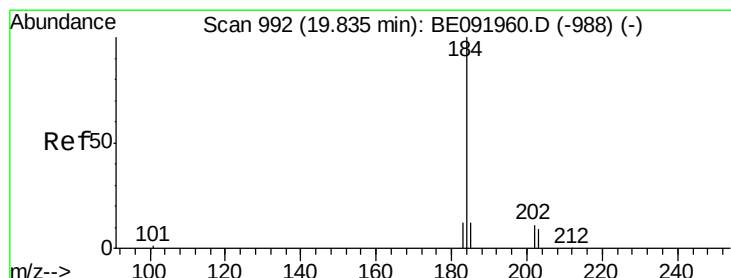
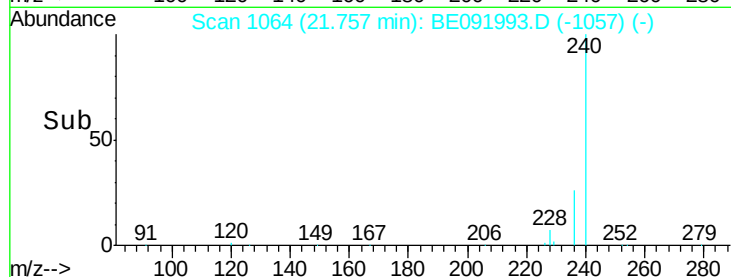
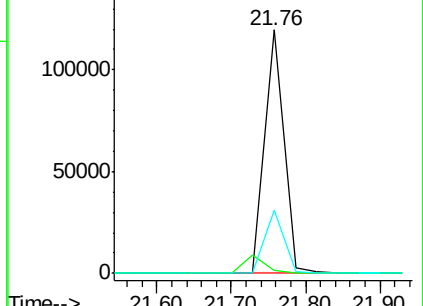
236 26.0 19.8 29.8



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



#32

Benzidine

Concen: 0.54 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

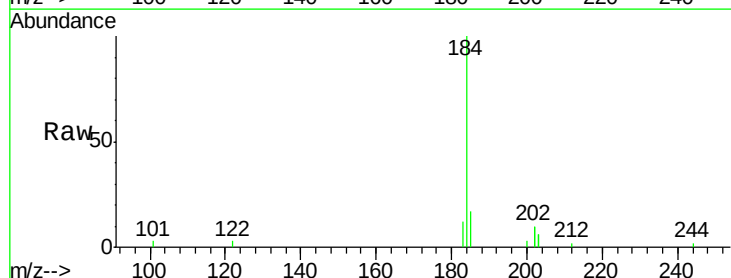
Tgt Ion:184 Resp: 5674

Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

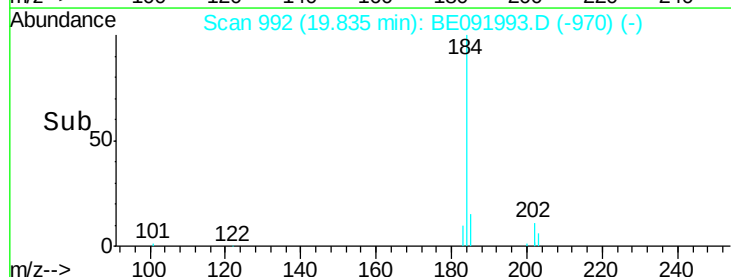
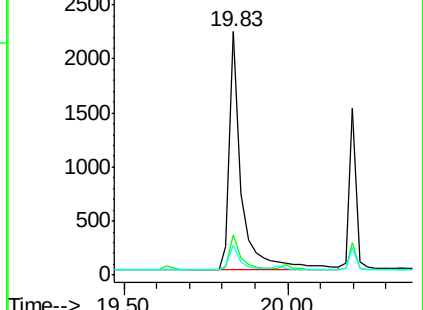
183 12.1 11.8 17.6

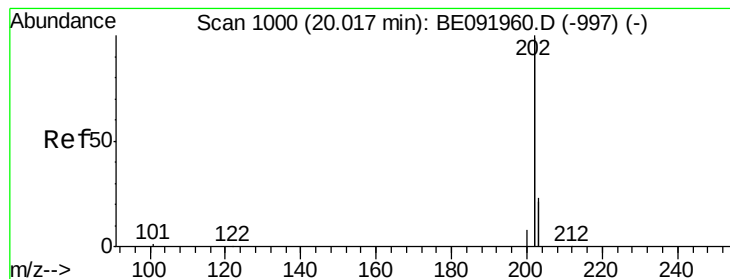


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.91 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.02 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

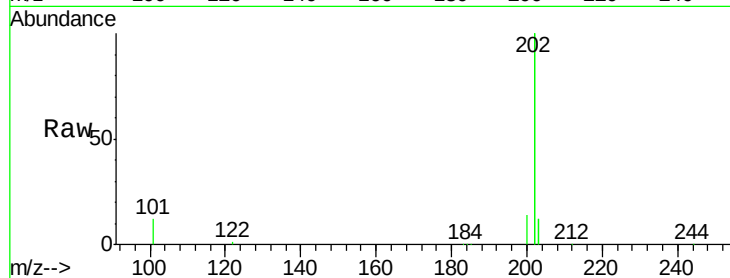
Tgt Ion:202 Resp: 605840

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

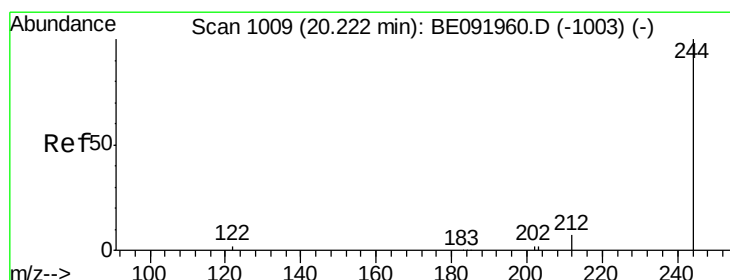
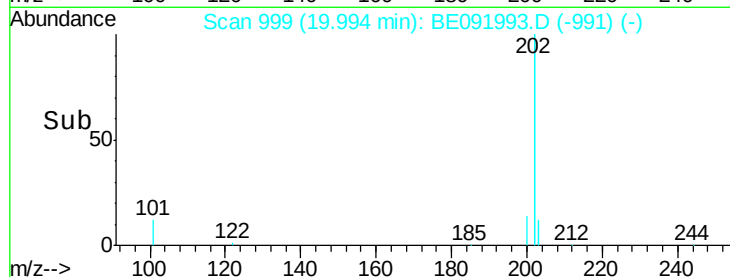
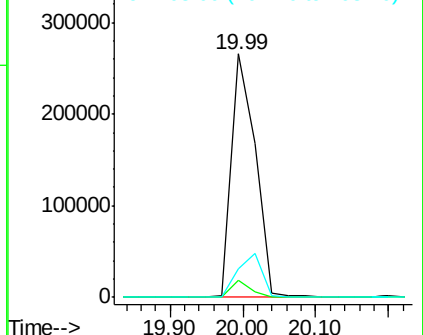
203 0.0 14.1 21.1#



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: 3.71 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

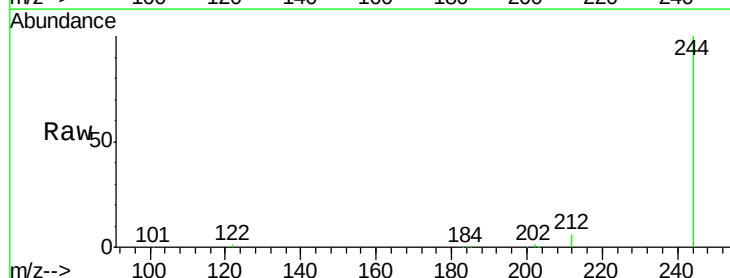
Tgt Ion:244 Resp: 93094

Ion Ratio Lower Upper

244 100

212 6.4 6.5 9.7#

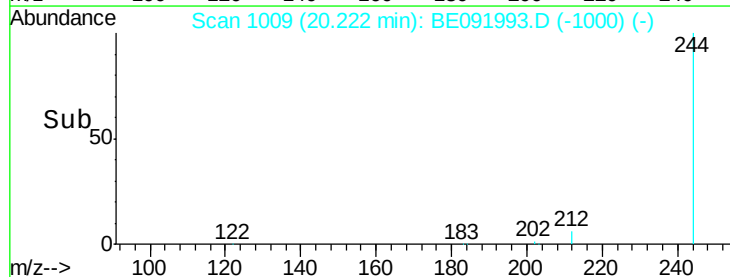
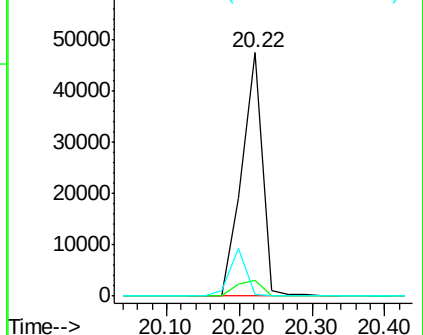
122 0.5 2.9 4.3#

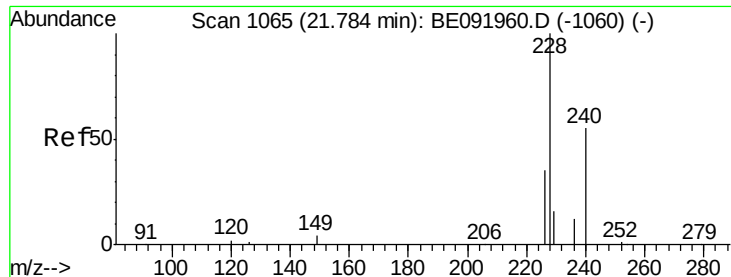


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 11.21 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

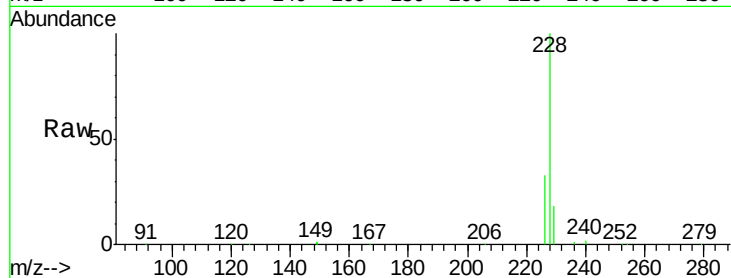
Tgt Ion:228 Resp: 399428

Ion Ratio Lower Upper

228 100

226 32.9 21.0 31.4#

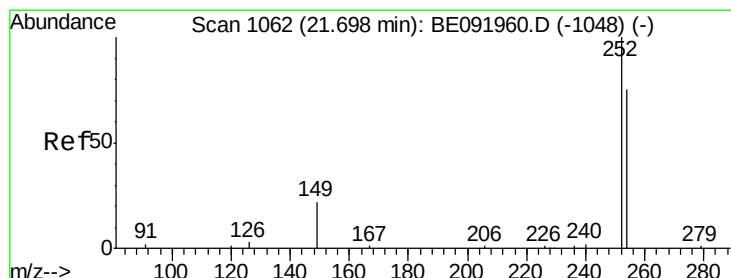
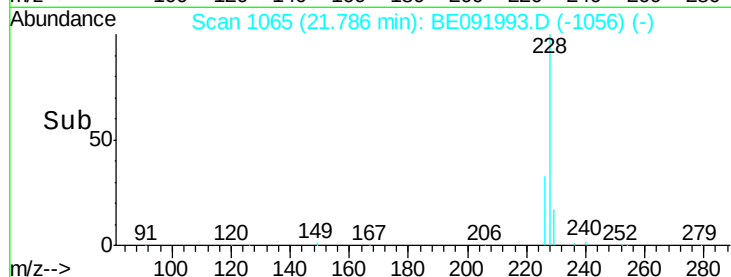
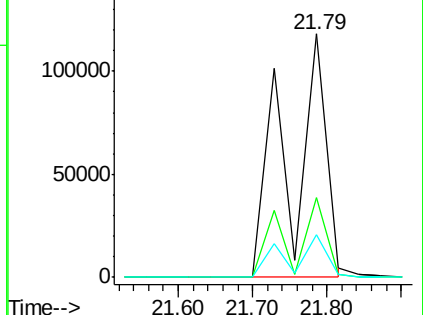
229 17.5 15.8 23.8



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: 1.94 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

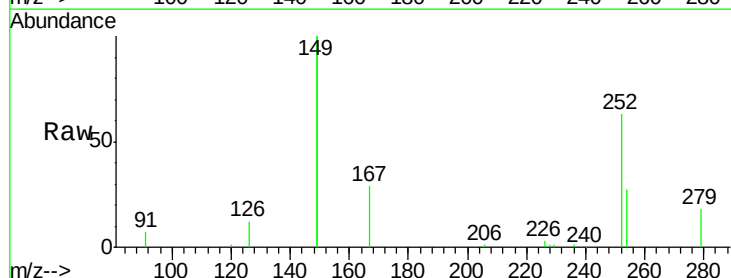
Tgt Ion:252 Resp: 18243

Ion Ratio Lower Upper

252 100

254 43.8 61.5 92.3#

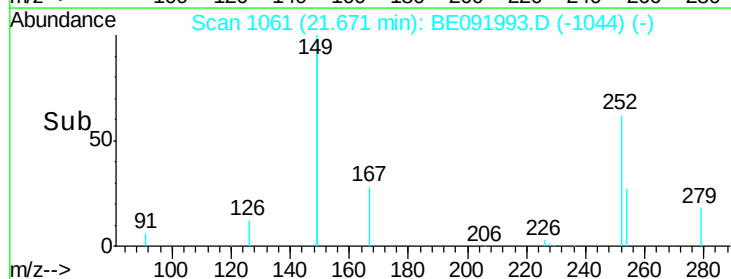
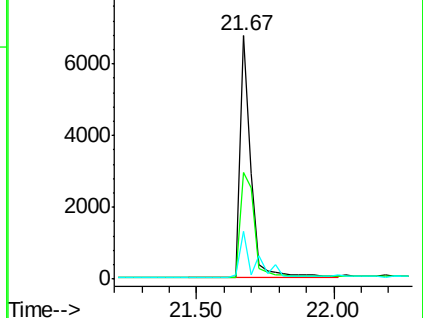
126 19.8 2.5 3.7#

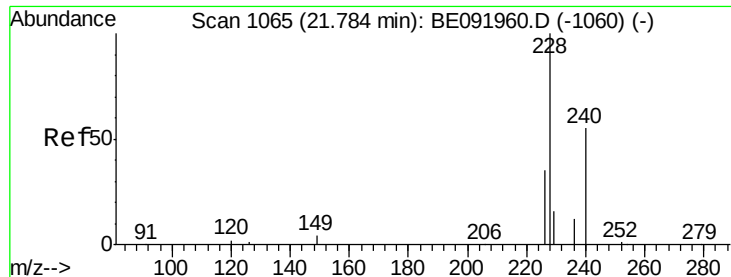


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.97 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

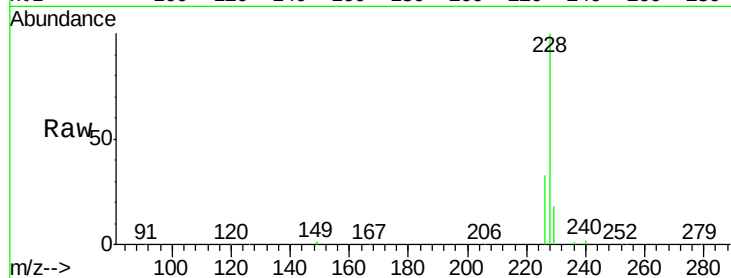
Tgt Ion:228 Resp: 402399

Ion Ratio Lower Upper

228 100

226 32.9 27.0 40.6

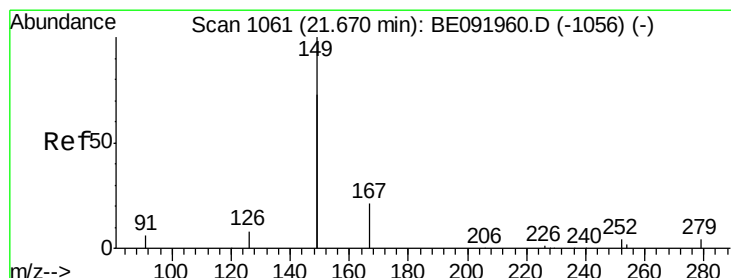
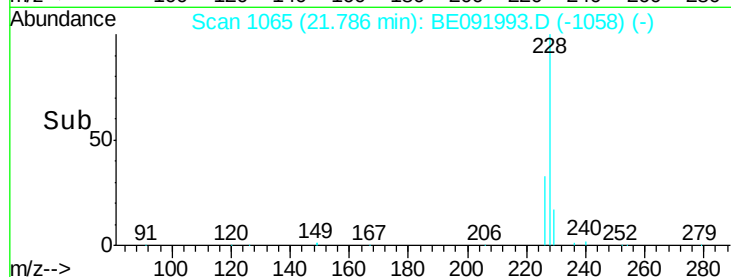
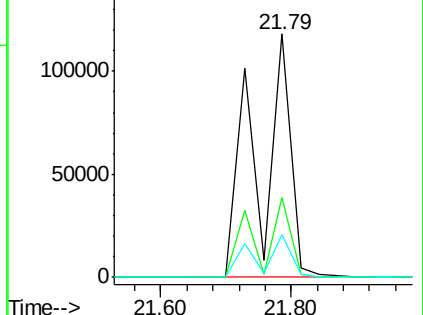
229 17.5 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 3.47 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

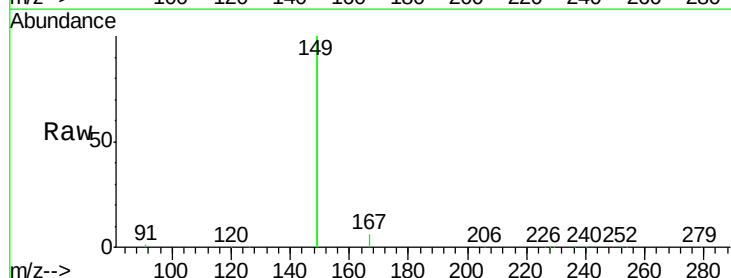
Tgt Ion:149 Resp: 143079

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

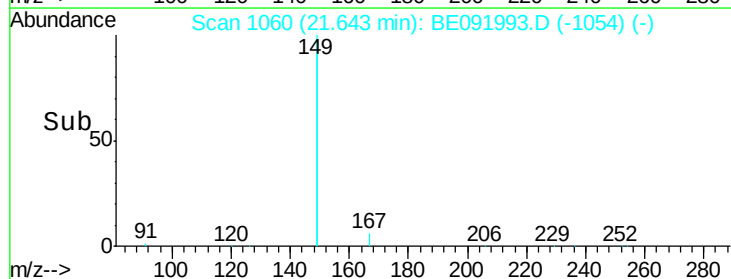
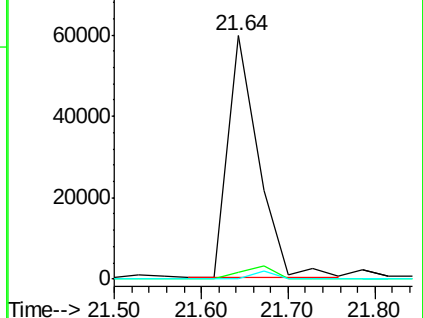
279 0.0 0.0 0.0

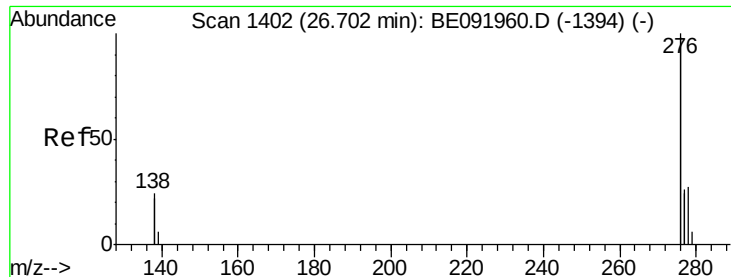


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

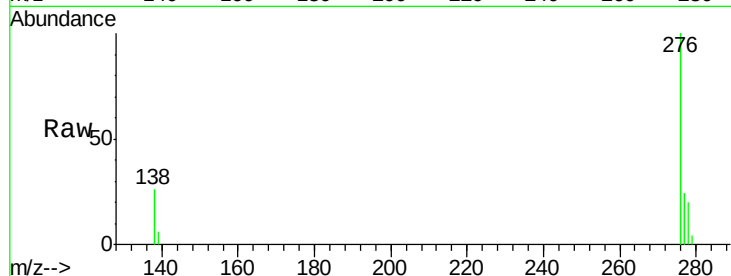




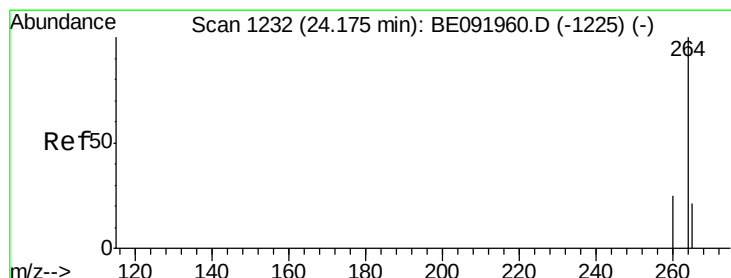
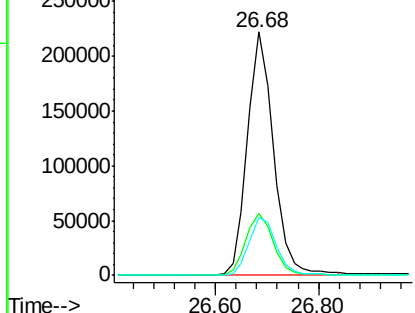
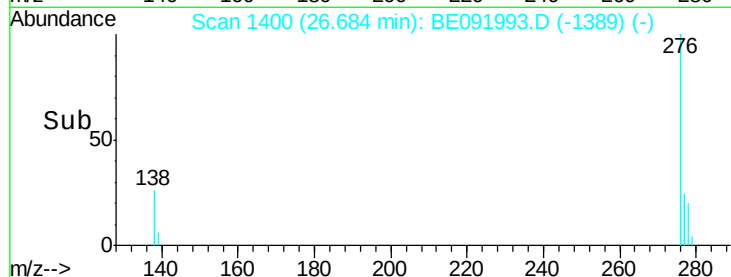
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 3.91 ng
 RT: 26.68 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

Instrument :
 BNA_E
 ClientSampleId :
 PB91976BS

Tgt Ion: 276 Resp: 774629
 Ion Ratio Lower Upper
 276 100
 138 26.8 19.7 29.5
 277 24.7 20.1 30.1

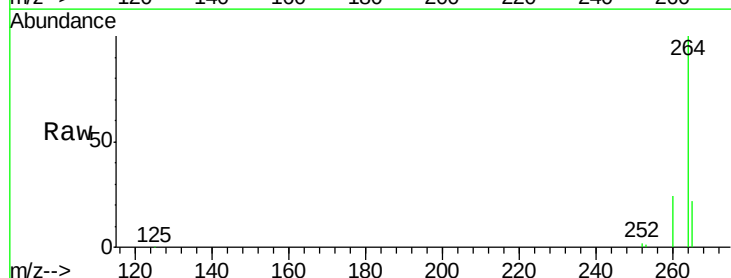


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

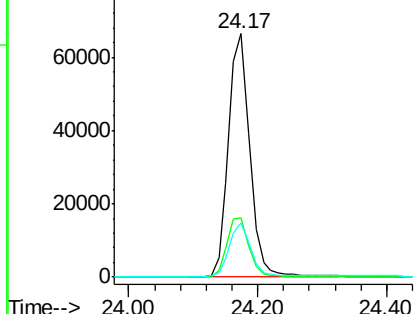
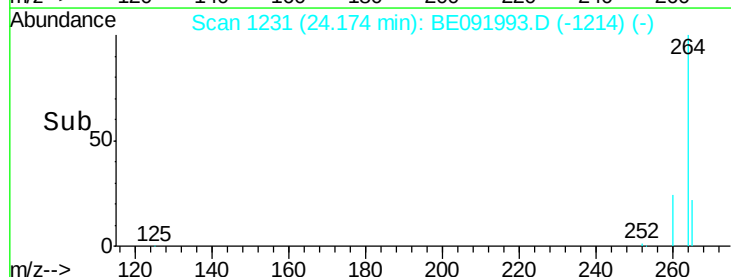


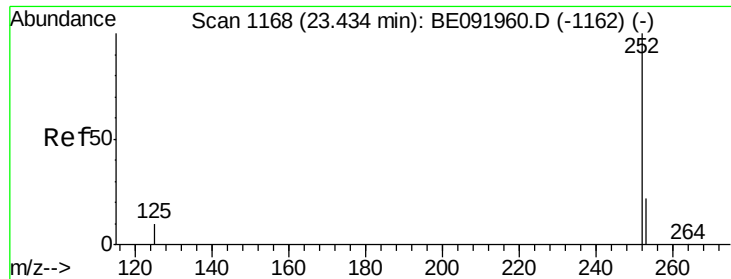
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE091993.D
 Acq: 9 Jul 2016 11:34

Tgt Ion: 264 Resp: 152076
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.3 30.5
 265 22.1 17.6 26.4



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





#41

Benzo(b)fluoranthene

Concen: 3.97 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

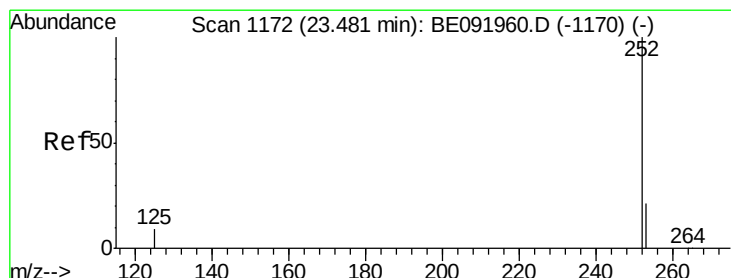
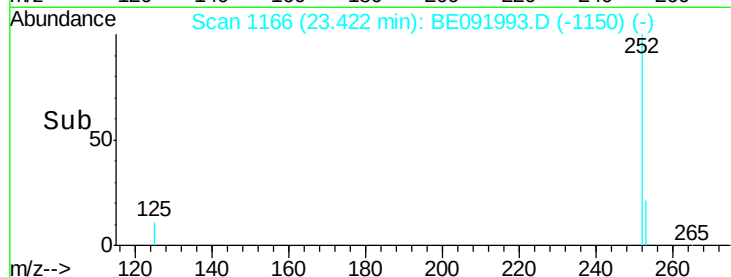
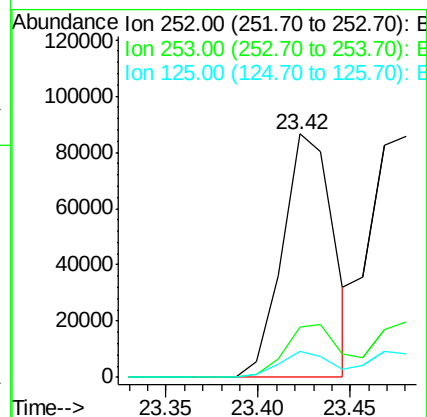
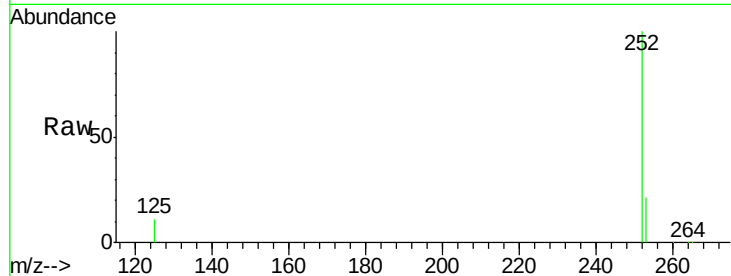
Tgt Ion:252 Resp: 166788

Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.6

125 10.7 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 4.42 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

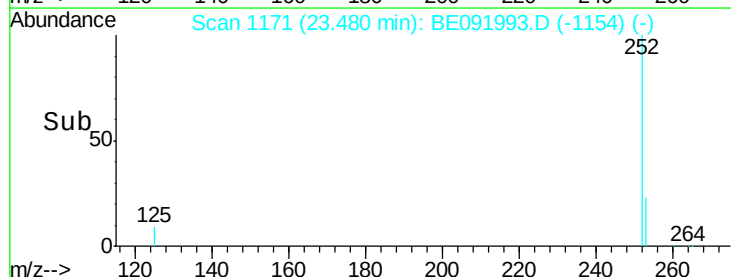
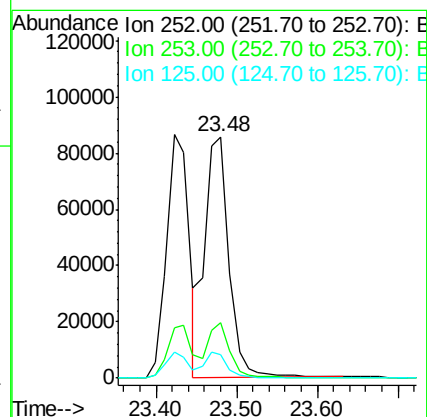
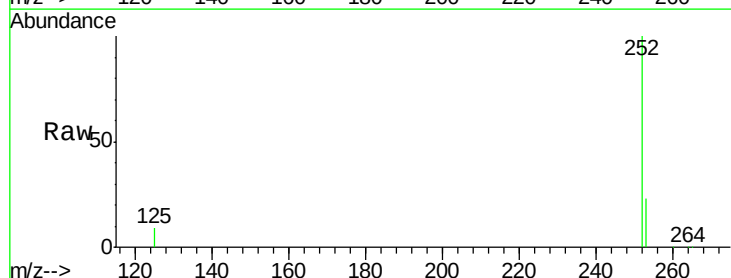
Tgt Ion:252 Resp: 179256

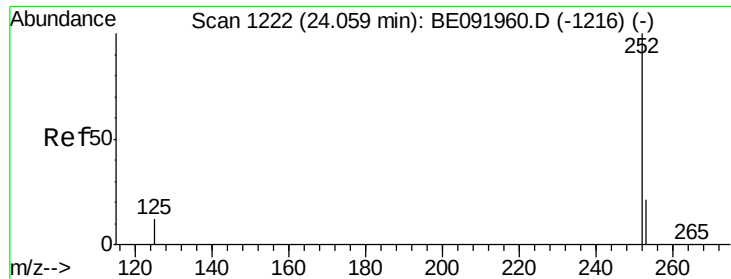
Ion Ratio Lower Upper

252 100

253 22.8 19.4 29.2

125 9.5 8.3 12.5





#43

Benzo(a)pyrene

Concen: 4.07 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS

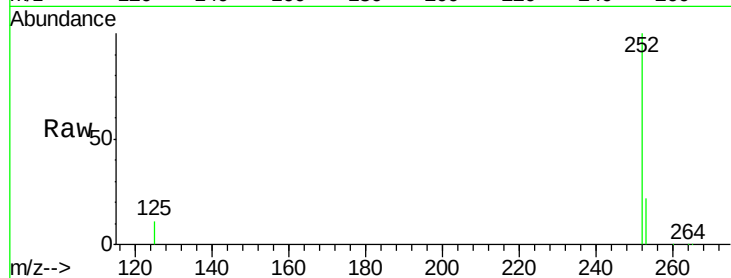
Tgt Ion: 252 Resp: 161572

Ion Ratio Lower Upper

252 100

253 22.1 18.9 28.3

125 10.8 10.5 15.7

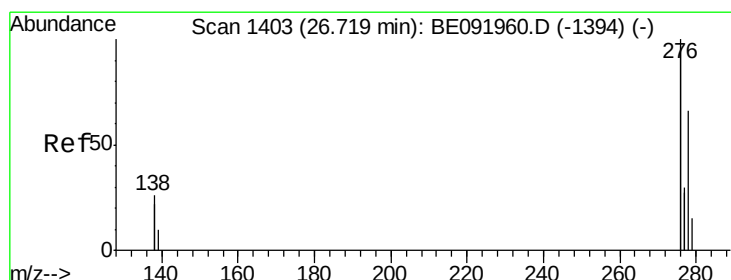
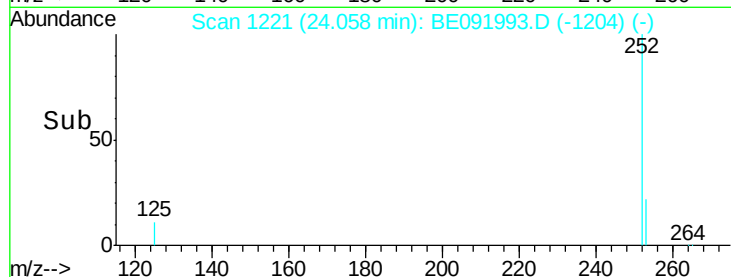
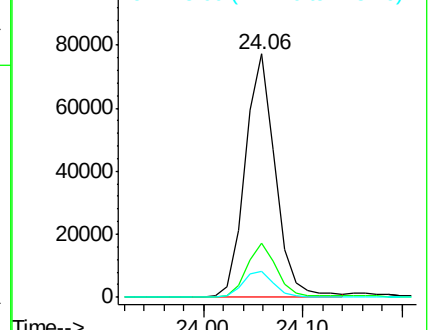


Abundance

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: 4.35 ng

RT: 26.72 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091993.D

Acq: 9 Jul 2016 11:34

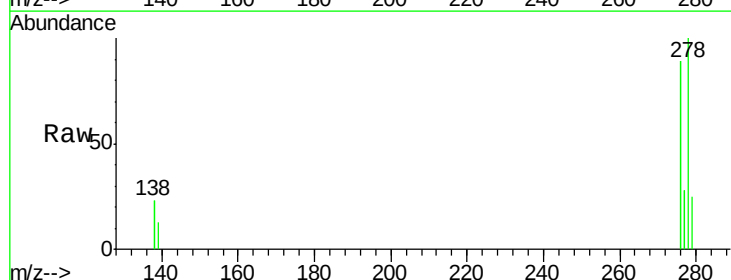
Tgt Ion: 278 Resp: 162204

Ion Ratio Lower Upper

278 100

139 12.8 12.6 18.8

279 24.8 20.0 30.0

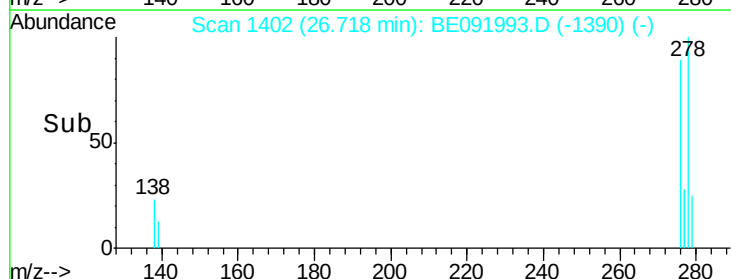
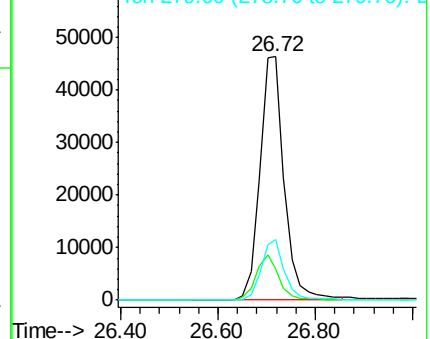


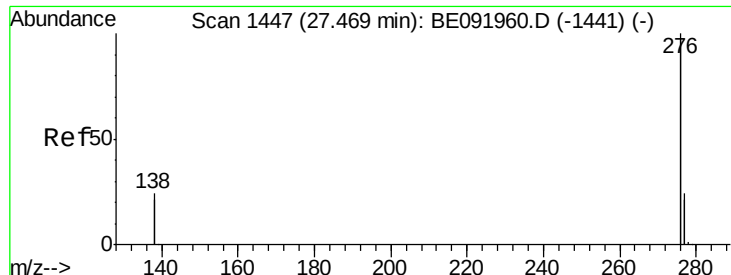
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.31 ng

RT: 27.47 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BE091993.D

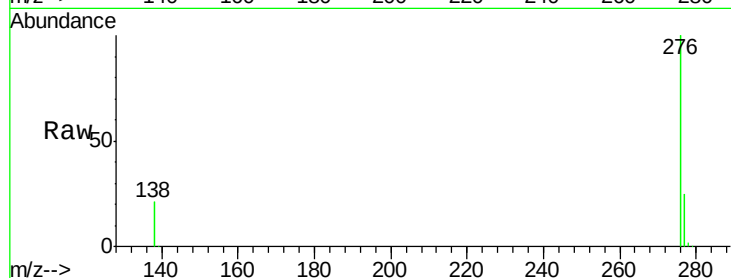
Acq: 9 Jul 2016 11:34

Instrument :

BNA_E

ClientSampleId :

PB91976BS



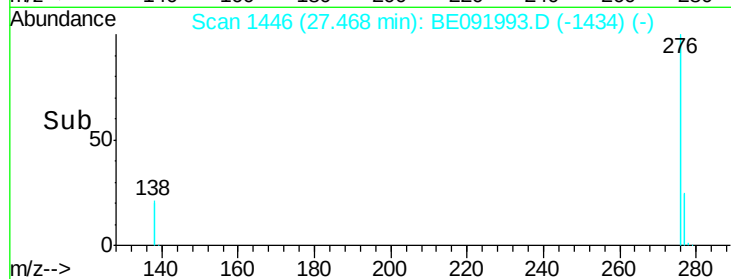
Tgt Ion: 276 Resp: 656440

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 20.6 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

