

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041216\
 Data File : BE091647.D
 Acq On : 12 Apr 2016 11:50
 Operator : UM/SJ
 Sample : PB89409BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89409BS

Quant Time: Apr 13 01:02:59 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	40763	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	202297	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	128857	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	311979	5.00	ng	-0.01
26) Chrysene-d12	21.31	240	403176	5.00	ng	0.00
35) Perylene-d12	23.76	264	348090	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	60103	6.18	ng	0.00
5) Phenol-d6	6.97	99	90215	6.96	ng	0.00
8) Nitrobenzene-d5	8.96	82	40802	3.47	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	35744	7.59	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	123215	3.44	ng	0.00
29) Terphenyl-d14	19.76	244	202486	4.02	ng	0.00

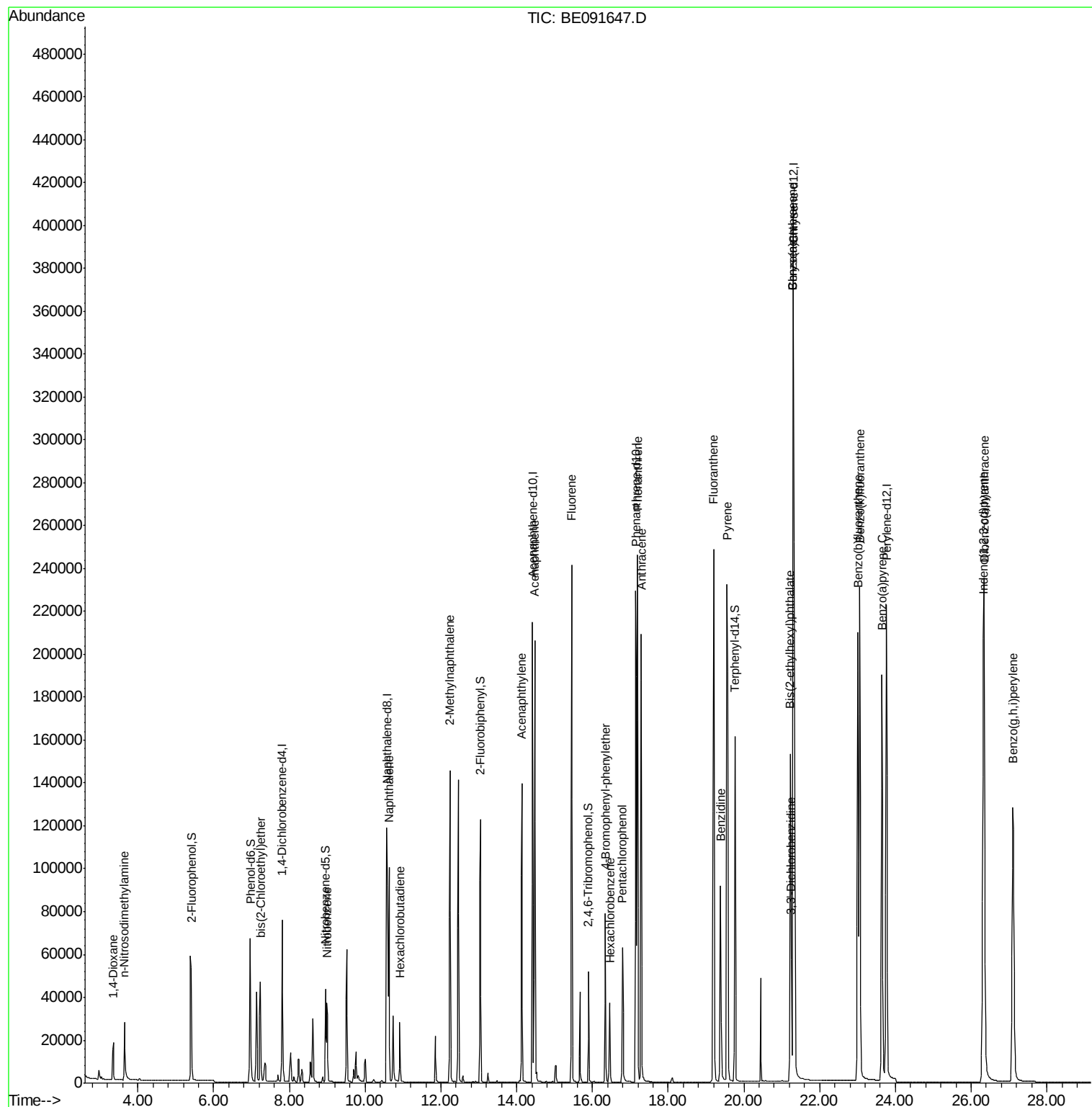
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	14668	3.26	ng	94
3) n-Nitrosodimethylamine	3.64	42	22129	3.54	ng	# 93
6) bis(2-Chloroethyl)ether	7.23	93	39556	3.52	ng	# 75
9) Nitrobenzene	8.99	77	44814	3.10	ng	94
10) Naphthalene	10.63	128	141835	3.40	ng	98
11) Hexachlorobutadiene	10.92	225	23141	3.77	ng	98
12) 2-Methylnaphthalene	12.24	142	103598	3.89	ng	99
16) Acenaphthylene	14.14	152	186106	3.72	ng	# 86
17) Acenaphthene	14.47	154	116482	3.68	ng	95
18) Fluorene	15.46	166	148997	3.77	ng	98
20) 4-Bromophenyl-phenylether	16.34	248	41645	3.78	ng	95
21) Hexachlorobenzene	16.46	284	43241	3.79	ng	99
22) Pentachlorophenol	16.79	266	46595	7.82	ng	# 88
23) Phenanthrene	17.20	178	269772	3.79	ng	99
24) Anthracene	17.29	178	257608	4.08	ng	98
25) Fluoranthene	19.20	202	298486	3.96	ng	97
27) Benzdine	19.38	184	127825	3.35	ng	# 75
28) Pyrene	19.55	202	329663	4.09	ng	99
30) Benzo(a)anthracene	21.29	228	687360	7.62	ng	98
31) 3,3'-Dichlorobenzidine	21.24	252	65671	1.13	ng	# 72
32) Chrysene	21.29	228	690759	8.44	ng	96
33) Bis(2-ethylhexyl)phthalate	21.22	149	140586	2.35	ng	# 81
34) Indeno(1,2,3-cd)pyrene	26.32	276	348198	3.81	ng	97
36) Benzo(b)fluoranthene	23.01	252	343745	4.25	ng	# 95
37) Benzo(k)fluoranthene	23.06	252	308295	3.87	ng	# 96
38) Benzo(a)pyrene	23.65	252	304371	4.05	ng	# 97
39) Dibenzo(a,h)anthracene	26.34	278	291596	3.94	ng	96
40) Benzo(g,h,i)perylene	27.10	276	296497	3.89	ng	96

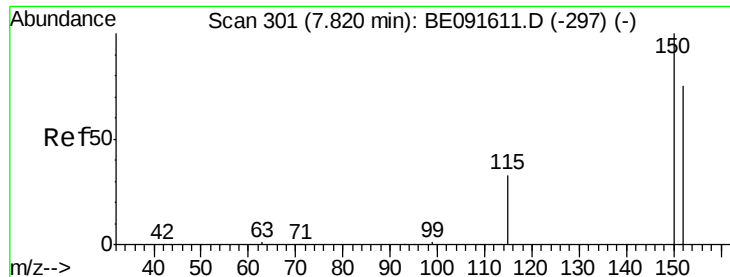
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

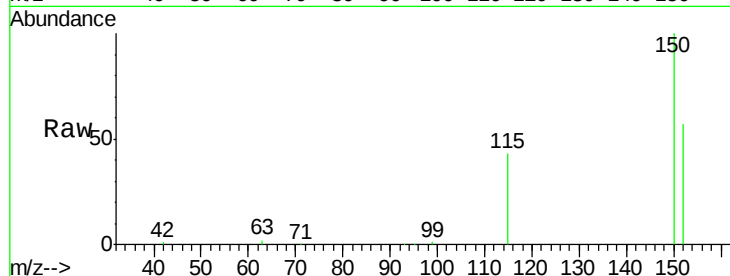
Tgt Ion:152 Resp: 40763

Ion Ratio Lower Upper

152 100

150 175.2 122.6 183.8

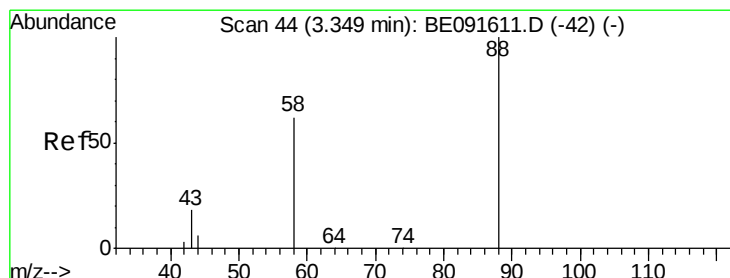
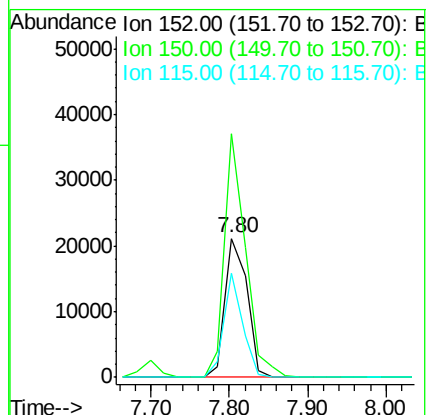
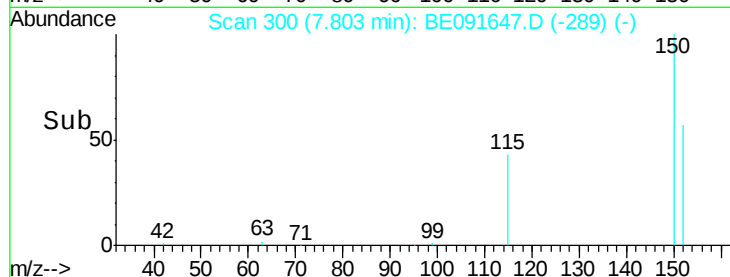
115 75.0 52.8 79.2



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: 3.26 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

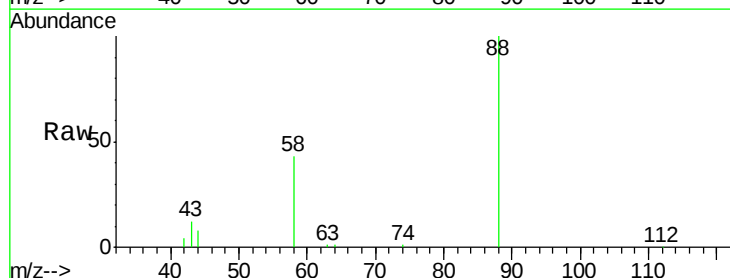
Tgt Ion: 88 Resp: 14668

Ion Ratio Lower Upper

88 100

58 85.1 65.8 98.6

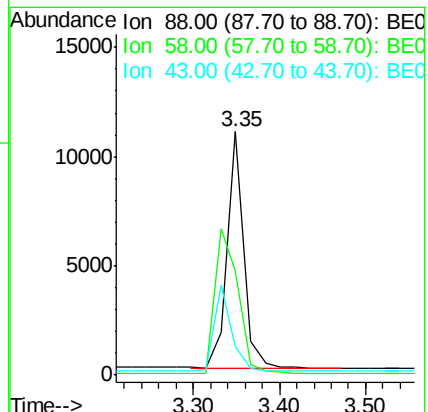
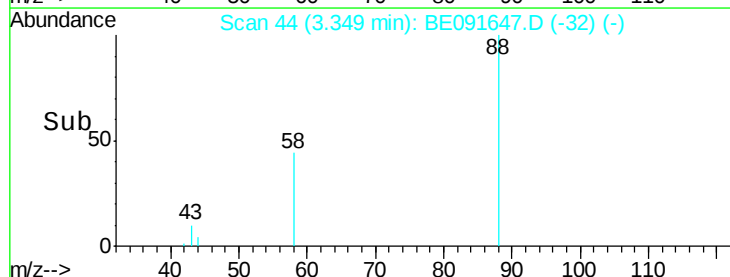
43 37.9 25.3 37.9

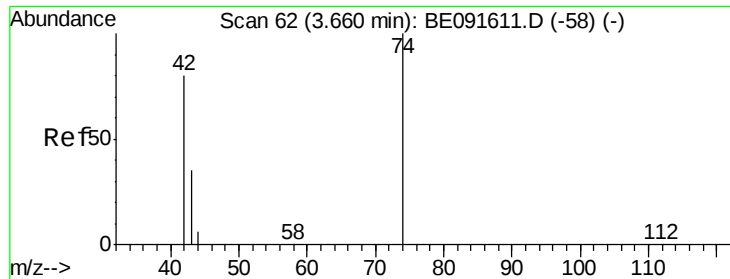


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.54 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.02 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

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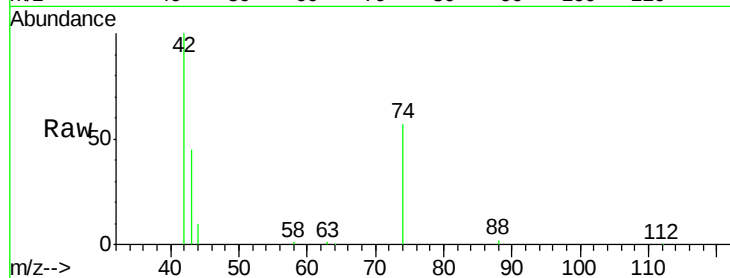
Tgt Ion: 42 Resp: 22129

Ion Ratio Lower Upper

42 100

74 102.2 87.9 131.9

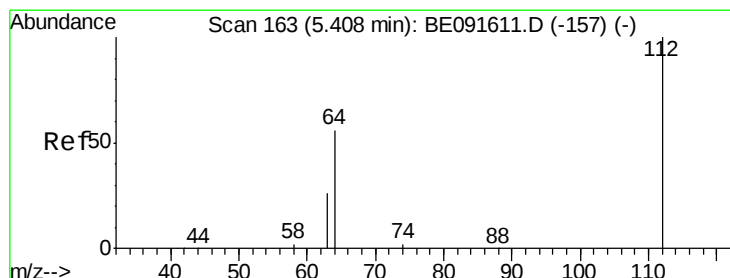
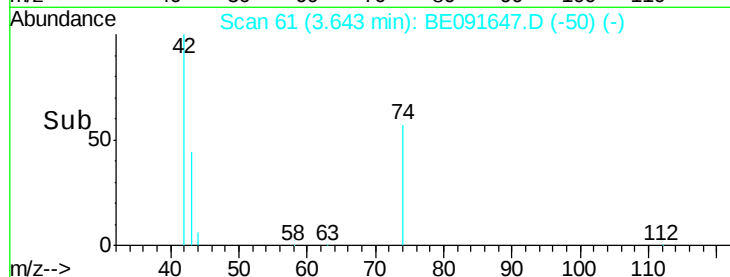
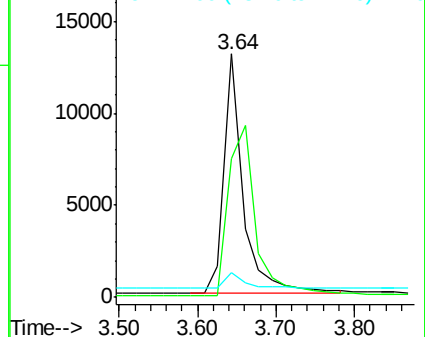
44 6.3 6.6 9.8#



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: 6.18 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

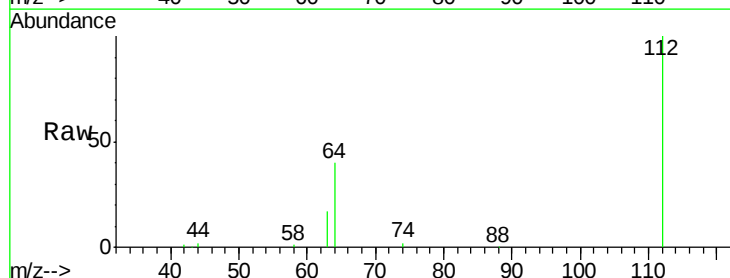
Tgt Ion: 112 Resp: 60103

Ion Ratio Lower Upper

112 100

64 67.8 30.9 46.3#

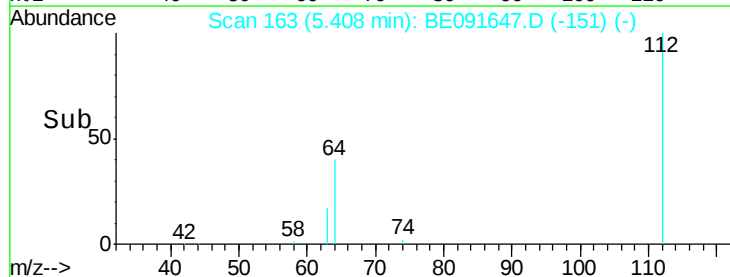
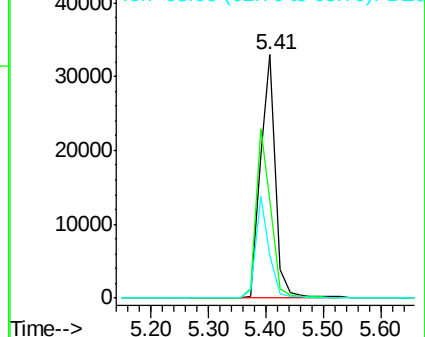
63 36.9 16.7 25.1#

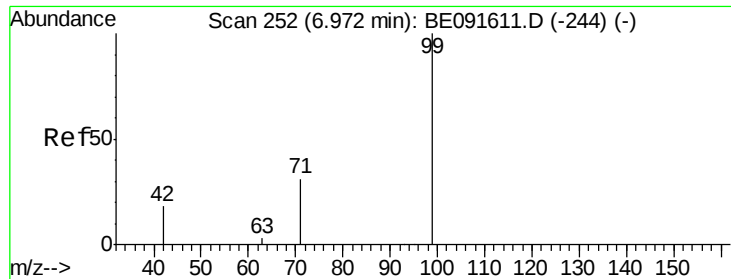


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.96 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

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ClientSampleId :

PB89409BS

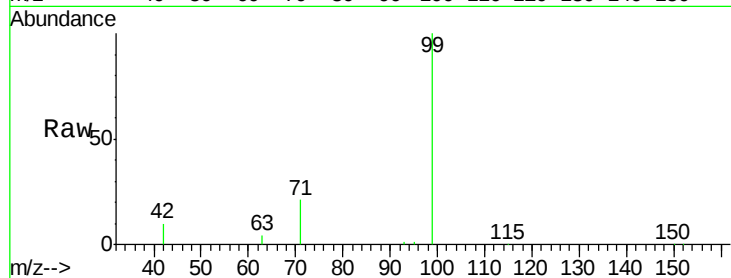
Tgt Ion: 99 Resp: 90215

Ion Ratio Lower Upper

99 100

42 26.0 16.2 24.2#

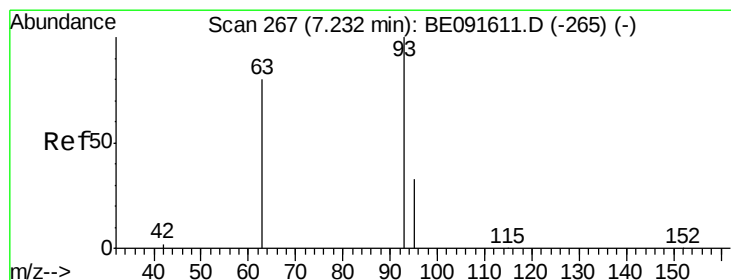
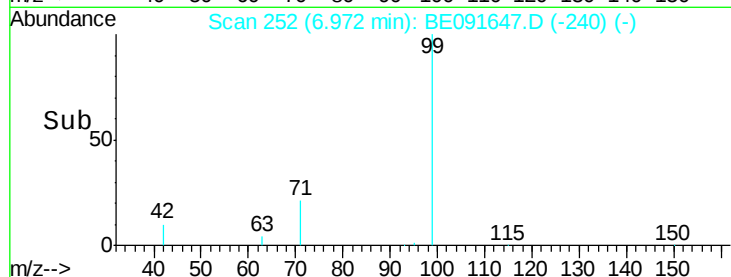
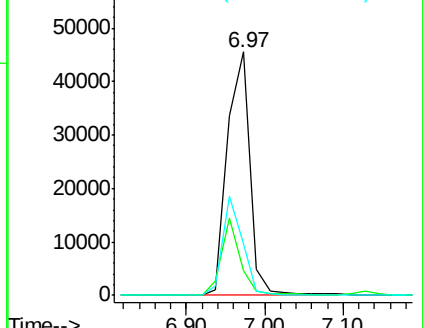
71 36.0 29.0 43.4



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: 3.52 ng

RT: 7.23 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

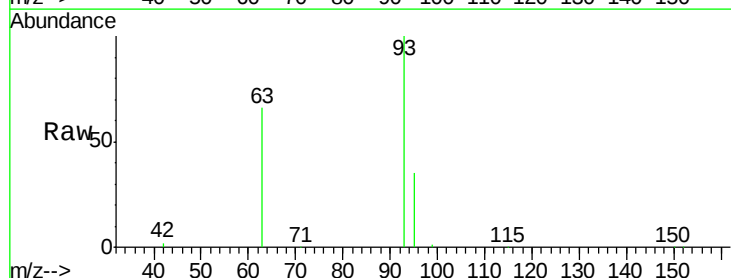
Tgt Ion: 93 Resp: 39556

Ion Ratio Lower Upper

93 100

63 86.1 49.5 74.3#

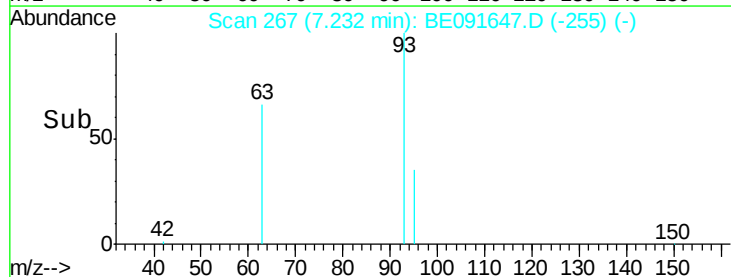
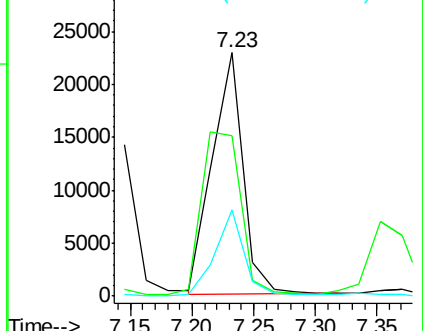
95 32.9 22.2 33.4

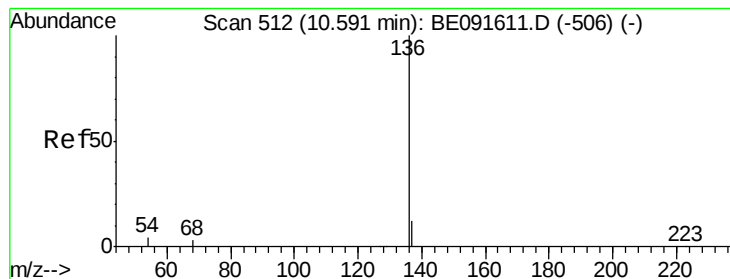


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.02 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

Tgt Ion: 136 Resp: 202297

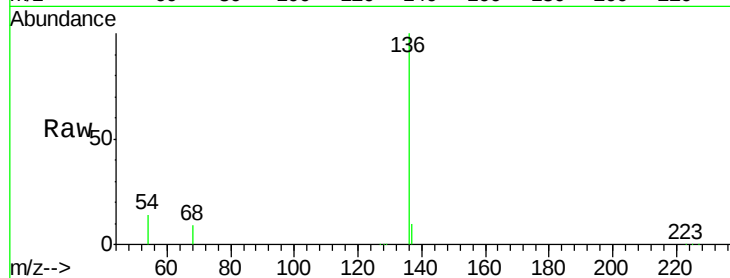
Ion Ratio Lower Upper

136 100

137 9.8 8.9 13.3

54 14.0 8.2 12.4#

68 9.2 6.2 9.4

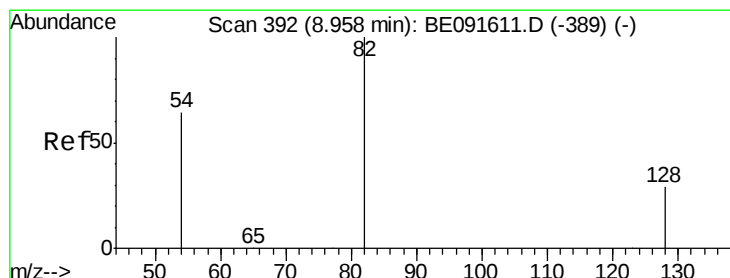
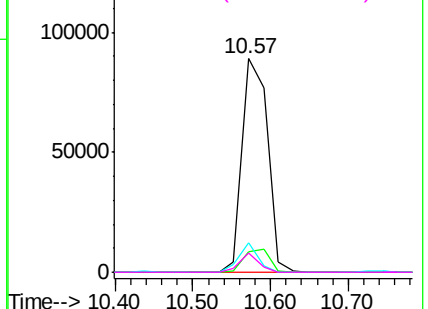
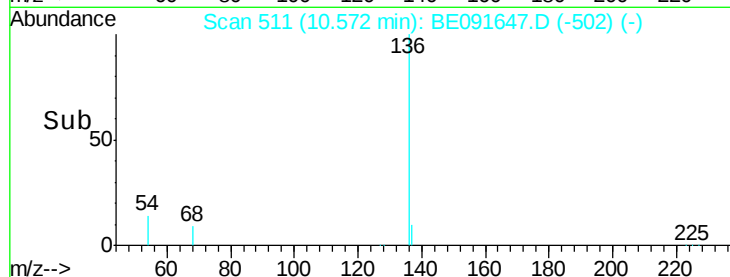


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.47 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

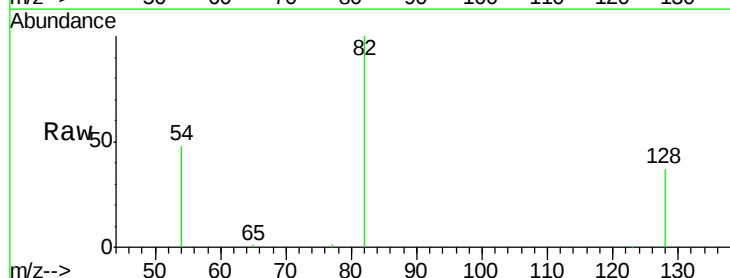
Tgt Ion: 82 Resp: 40802

Ion Ratio Lower Upper

82 100

128 37.0 25.4 38.0

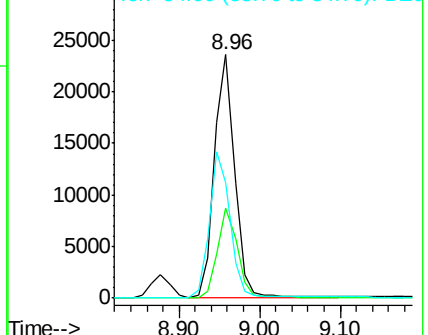
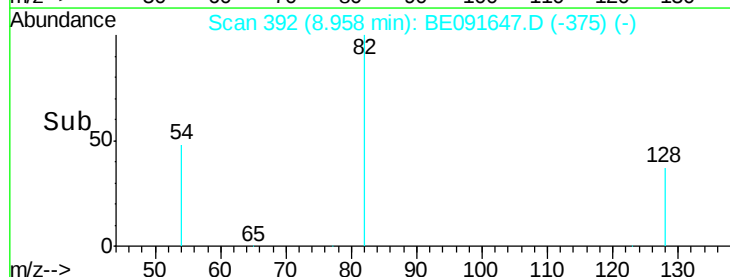
54 47.7 48.4 72.6#

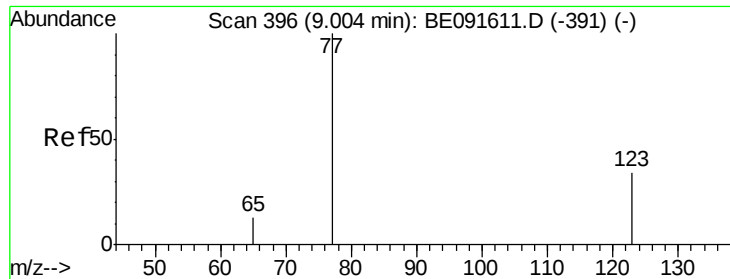


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

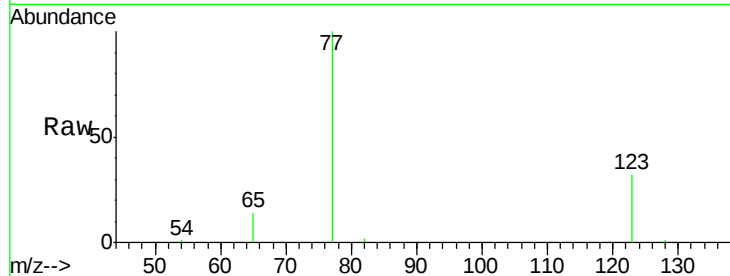




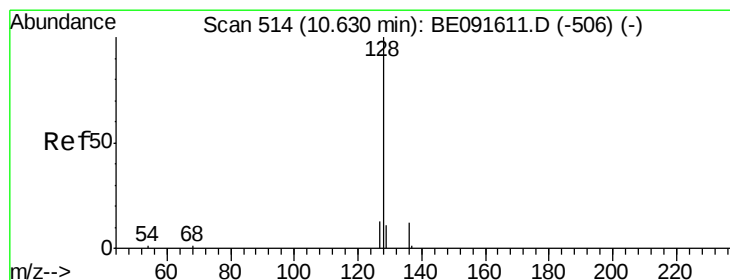
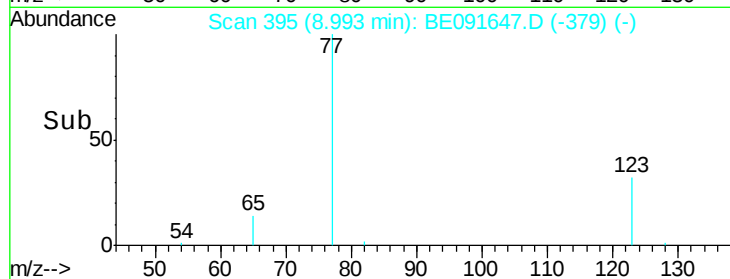
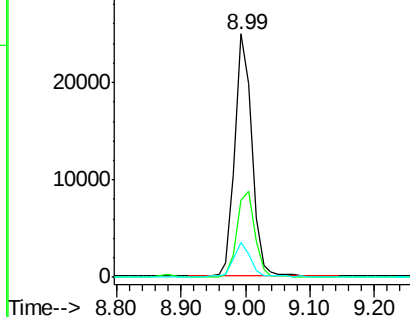
#9
Nitrobenzene
Concen: 3.10 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Instrument :
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Tgt Ion: 77 Resp: 44814
Ion Ratio Lower Upper
77 100
123 37.1 26.9 40.3
65 14.0 9.4 14.2

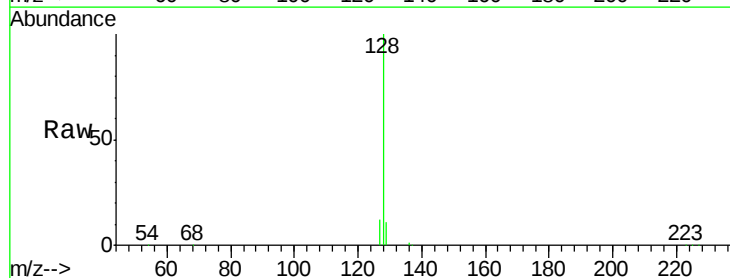


Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0

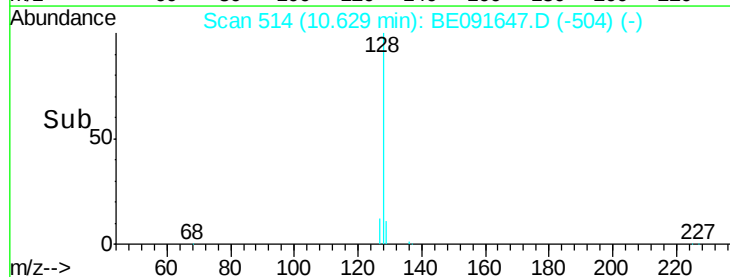
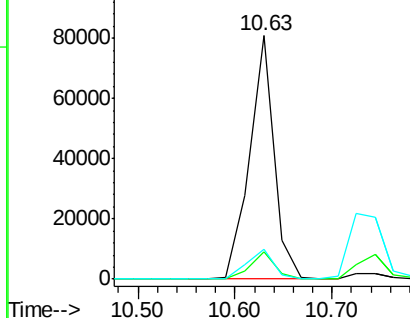


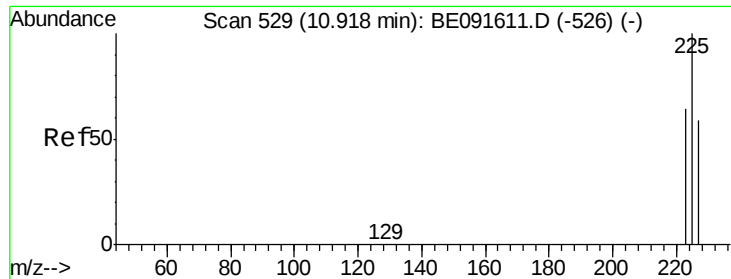
#10
Naphthalene
Concen: 3.40 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion: 128 Resp: 141835
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 12.2 10.7 16.1



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

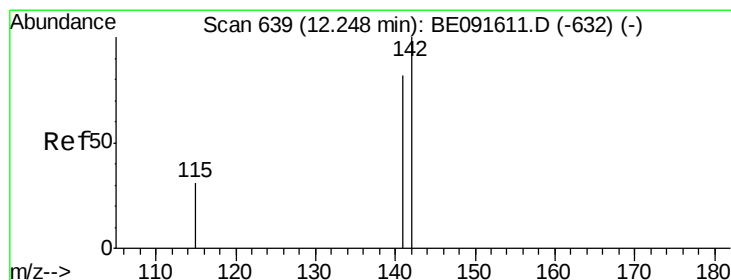
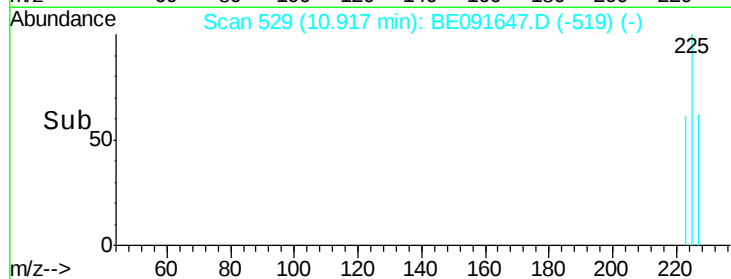
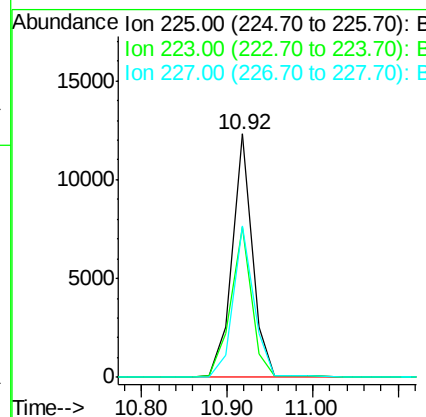
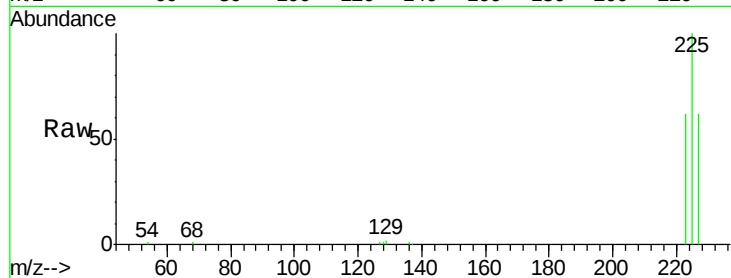




#11
Hexachlorobutadiene
Concen: 3.77 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

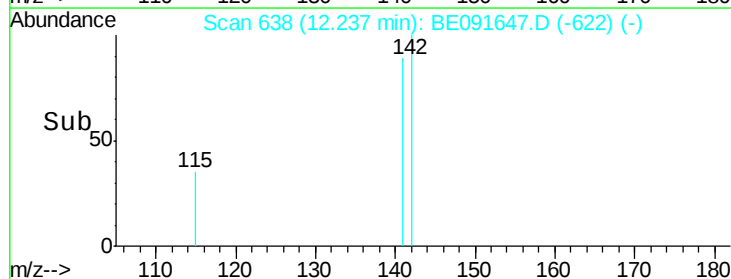
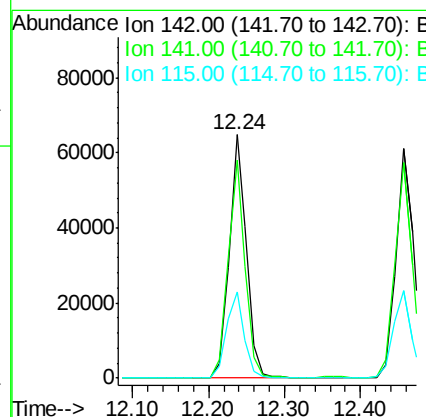
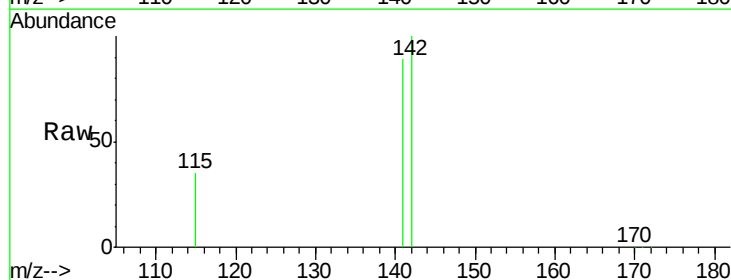
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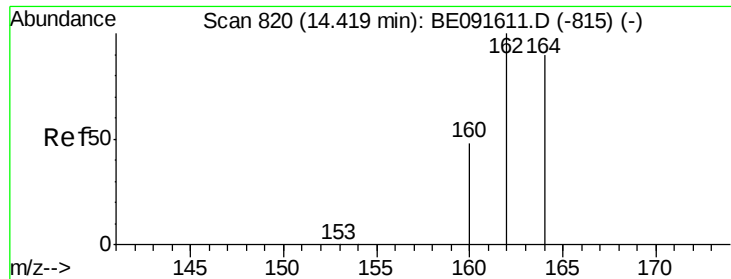
Tgt Ion: 225 Resp: 23141
Ion Ratio Lower Upper
225 100
223 63.5 49.0 73.6
227 63.8 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.89 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion: 142 Resp: 103598
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.0
115 35.4 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

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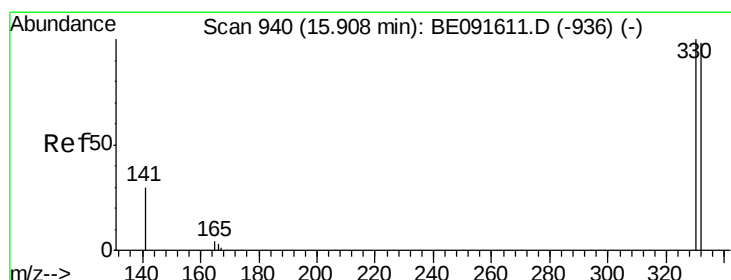
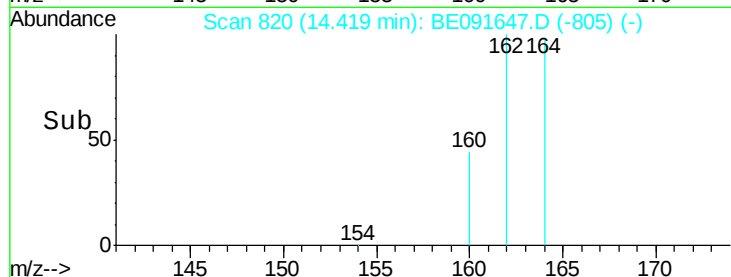
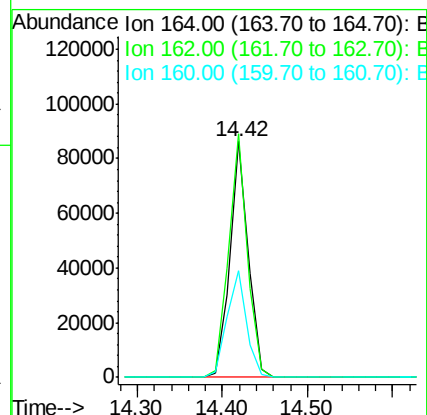
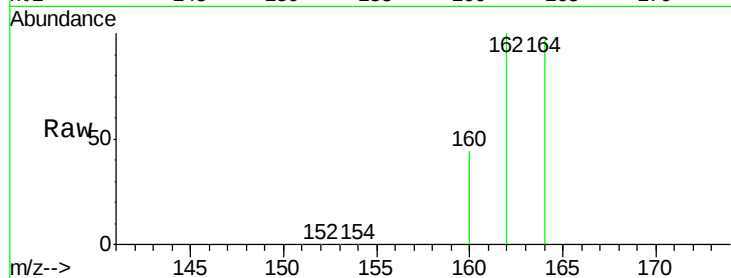
Tgt Ion:164 Resp: 128857

Ion Ratio Lower Upper

164 100

162 103.3 85.3 127.9

160 45.2 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 7.59 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

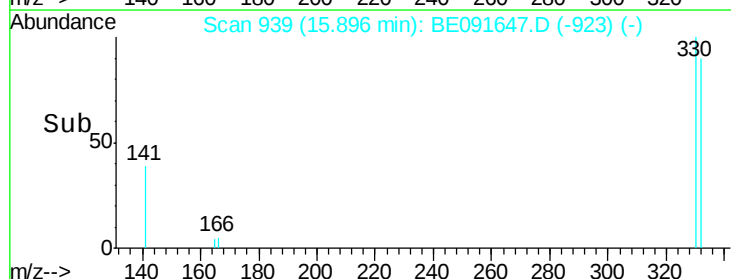
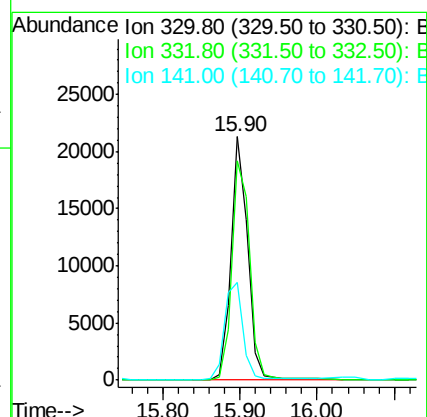
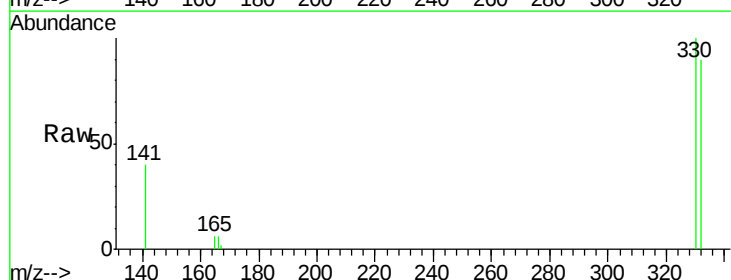
Tgt Ion:330 Resp: 35744

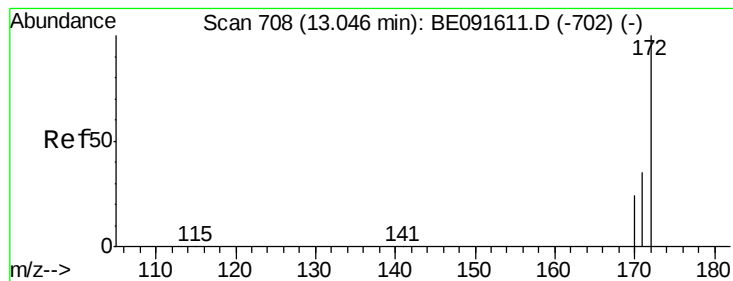
Ion Ratio Lower Upper

330 100

332 97.8 79.1 118.7

141 39.1 125.4 188.0#

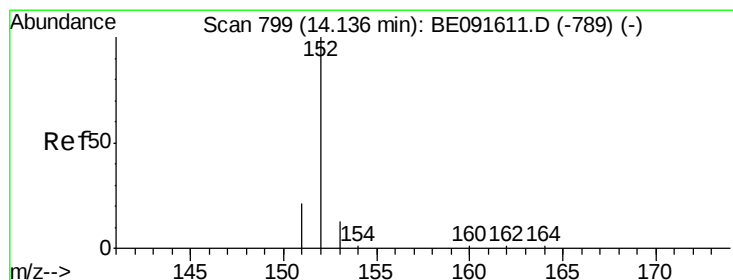
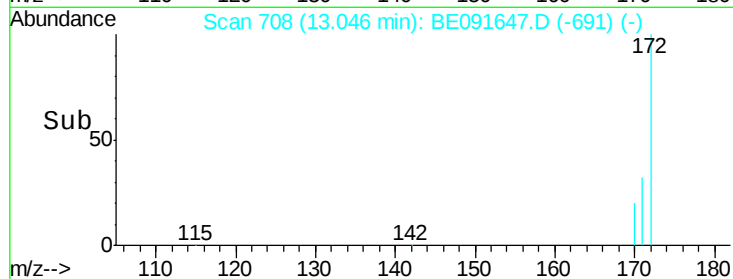
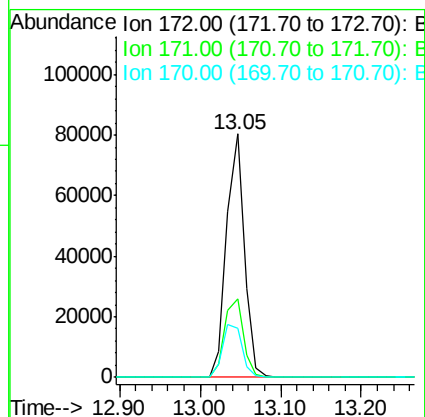
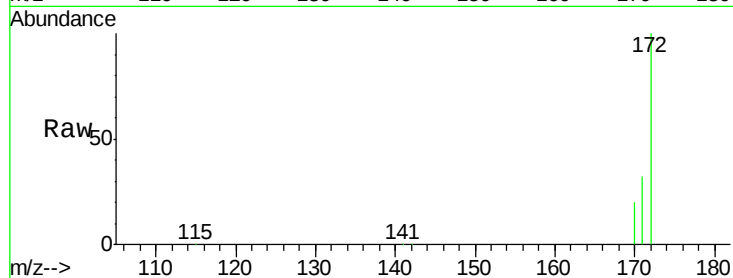




#15
2-Fluorobiphenyl
Concen: 3.44 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

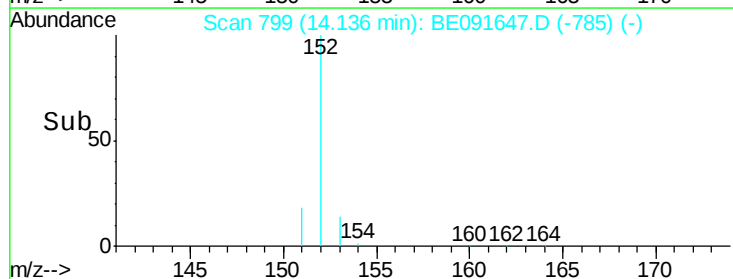
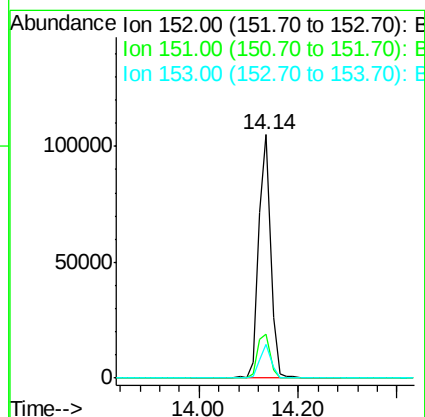
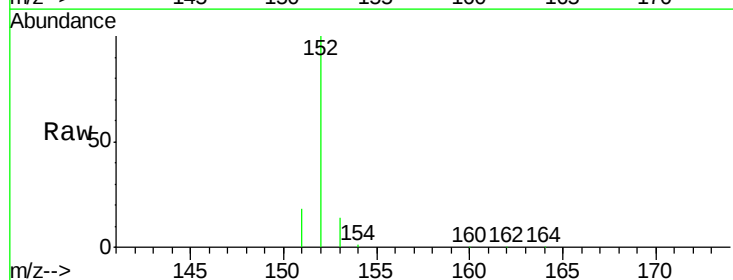
Instrument :
BNA_E
ClientSampleId :
PB89409BS

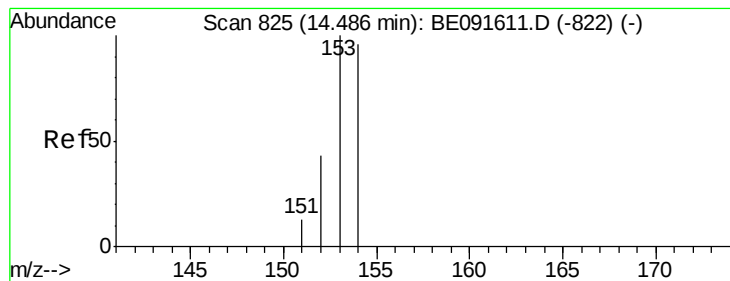
Tgt Ion:172 Resp: 123215
Ion Ratio Lower Upper
172 100
171 32.2 28.8 43.2
170 20.1 19.3 28.9



#16
Acenaphthylene
Concen: 3.72 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion:152 Resp: 186106
Ion Ratio Lower Upper
152 100
151 20.2 3.9 5.9#
153 13.4 10.3 15.5





#17

Acenaphthene

Concen: 3.68 ng

RT: 14.47 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

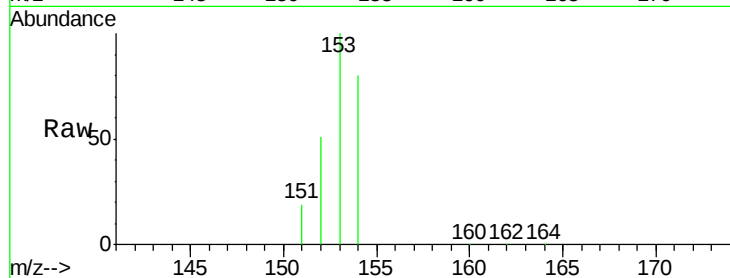
Tgt Ion:154 Resp: 116482

Ion Ratio Lower Upper

154 100

153 106.0 80.0 120.0

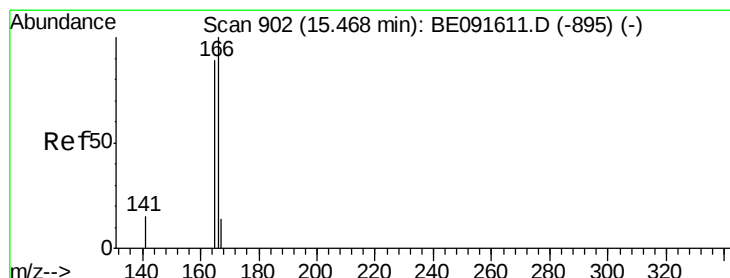
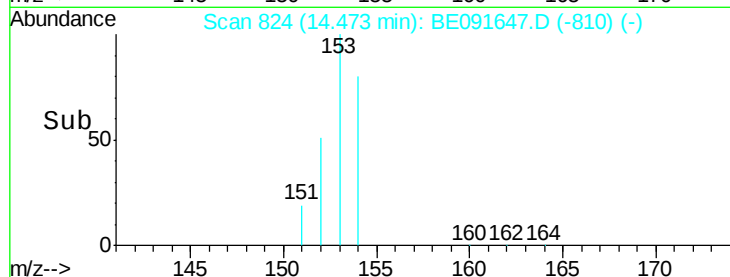
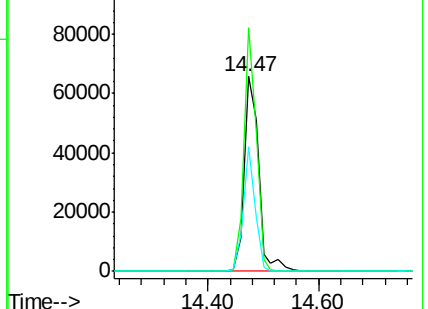
152 52.0 40.0 60.0



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



#18

Fluorene

Concen: 3.77 ng

RT: 15.46 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

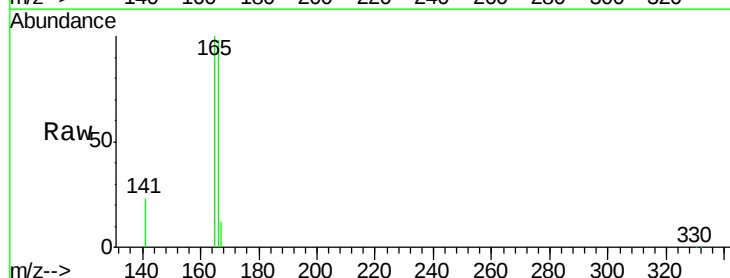
Tgt Ion:166 Resp: 148997

Ion Ratio Lower Upper

166 100

165 98.5 80.8 121.2

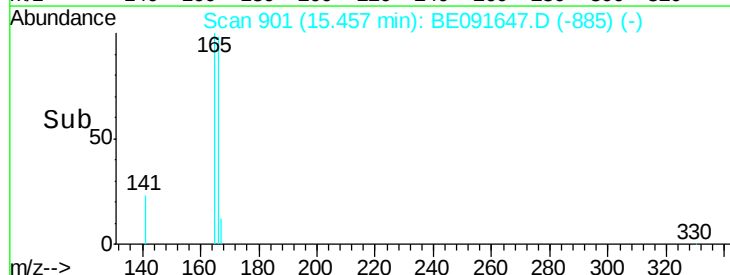
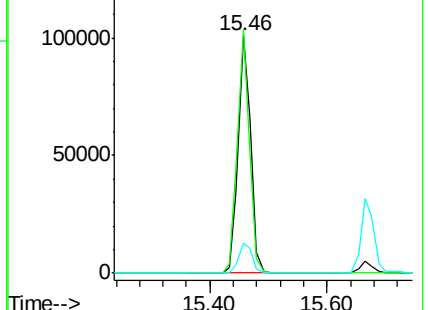
167 13.5 10.9 16.3

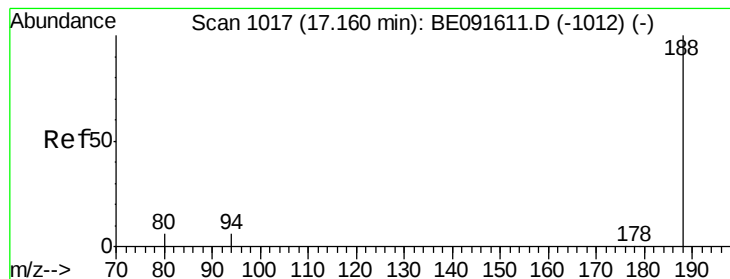


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

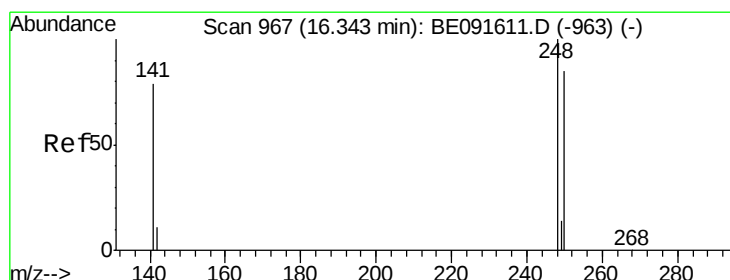
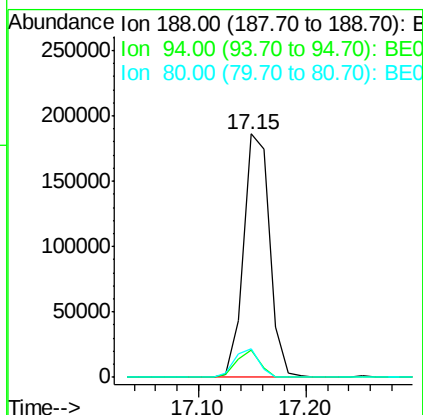
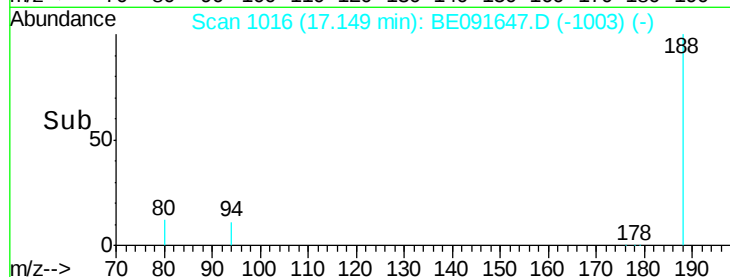
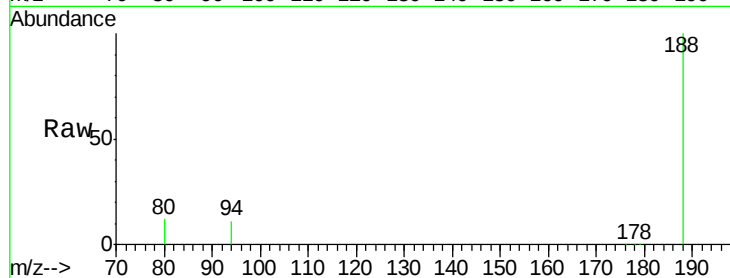




#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.15 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

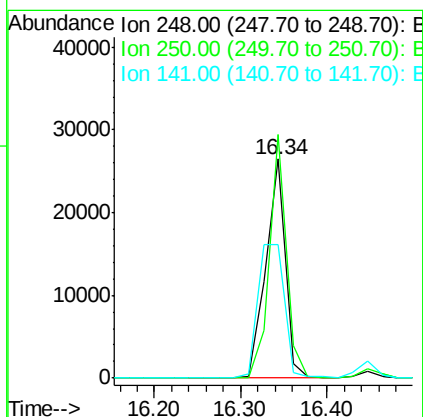
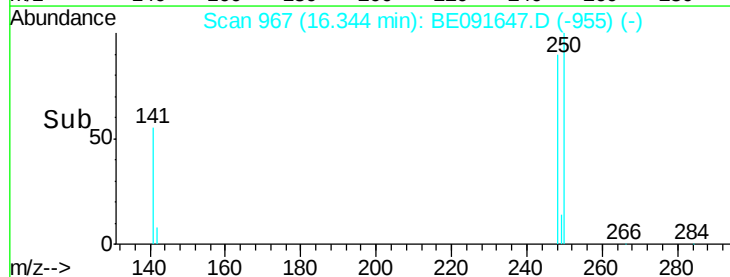
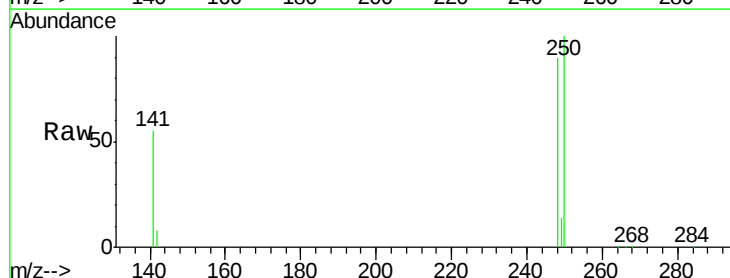
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BS

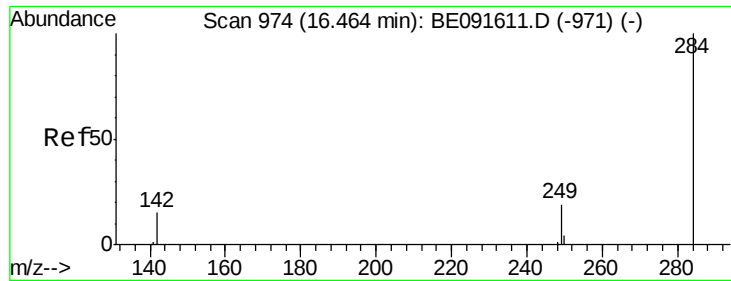
Tgt Ion:188 Resp: 311979
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.7 13.1
 80 11.7 9.4 14.0



#20
 4-Bromophenyl-phenylether
 Concen: 3.78 ng
 RT: 16.34 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

Tgt Ion:248 Resp: 41645
 Ion Ratio Lower Upper
 248 100
 250 98.0 80.5 120.7
 141 83.1 72.0 108.0

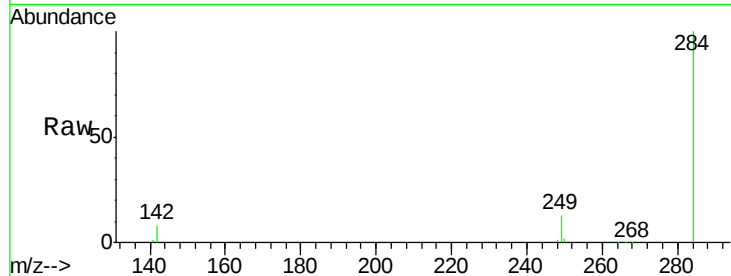




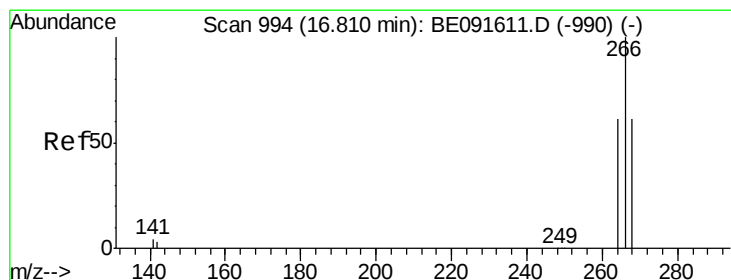
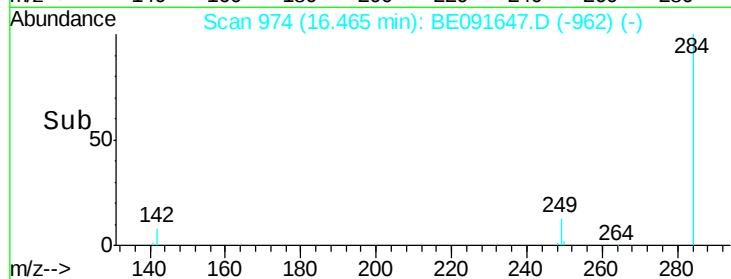
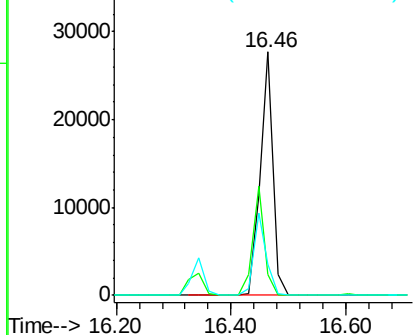
#21
Hexachlorobenzene
Concen: 3.79 ng
RT: 16.46 min Scan# 974
Delta R.T. 0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Instrument :
BNA_E
ClientSampleId :
PB89409BS

Tgt Ion: 284 Resp: 43241
Ion Ratio Lower Upper
284 100
142 40.7 32.2 48.2
249 32.9 25.4 38.2

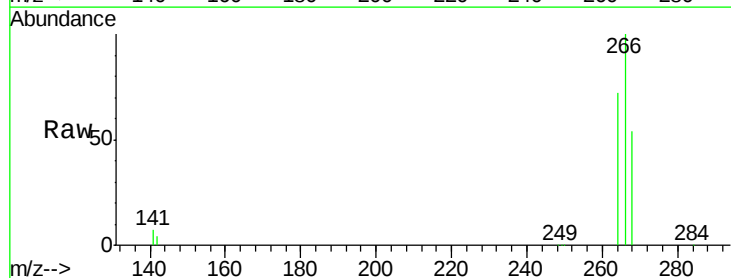


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

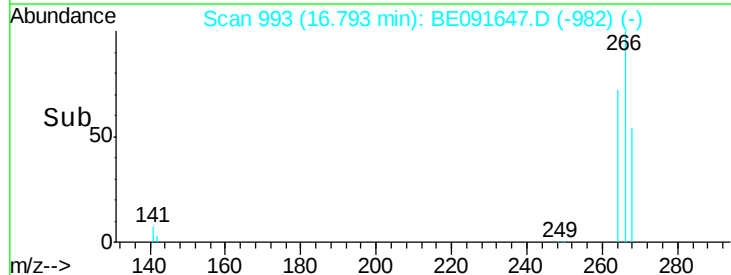
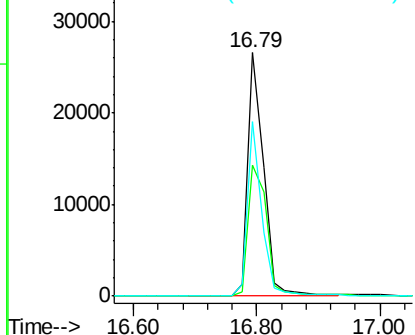


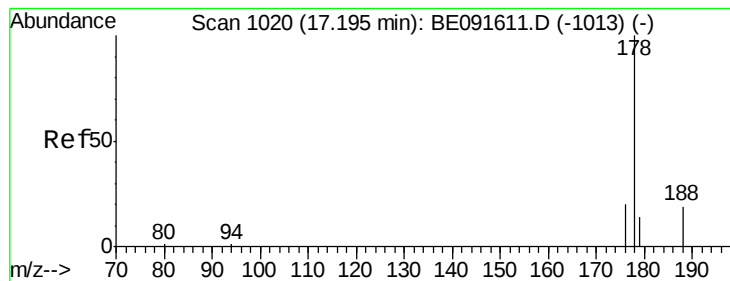
#22
Pentachlorophenol
Concen: 7.82 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion: 266 Resp: 46595
Ion Ratio Lower Upper
266 100
268 54.0 58.2 87.2#
264 71.9 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 3.79 ng

RT: 17.20 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

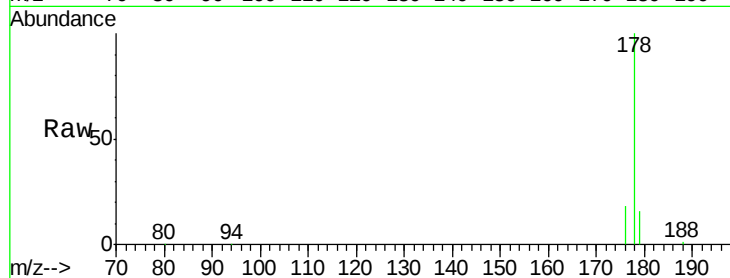
Tgt Ion:178 Resp: 269772

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

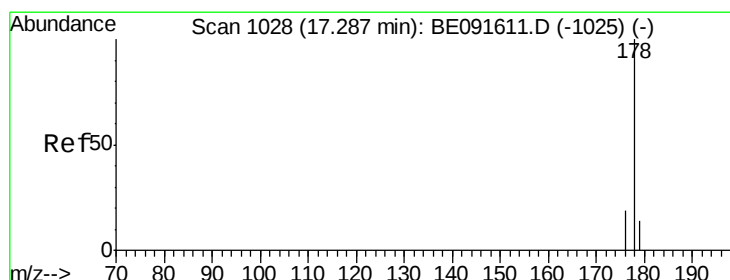
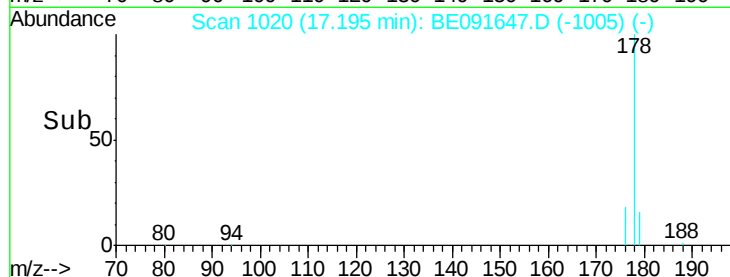
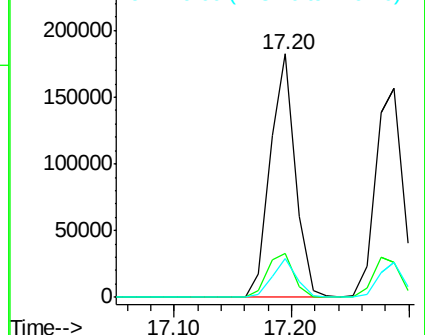
179 15.5 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 4.08 ng

RT: 17.29 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

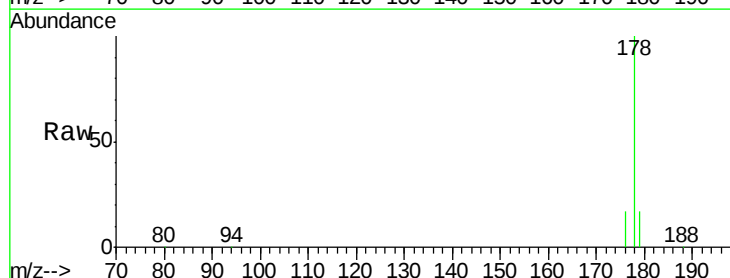
Tgt Ion:178 Resp: 257608

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

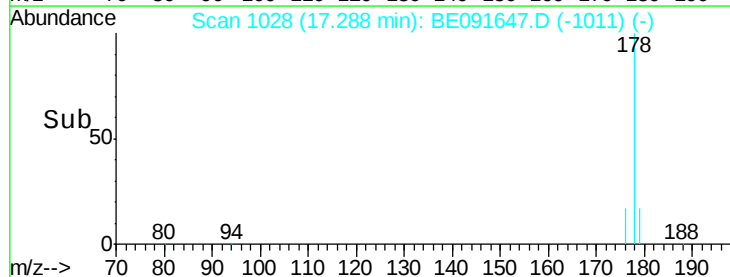
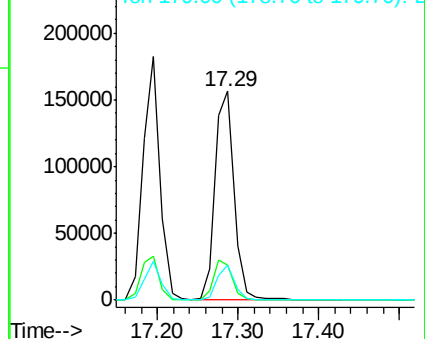
179 15.4 11.8 17.6

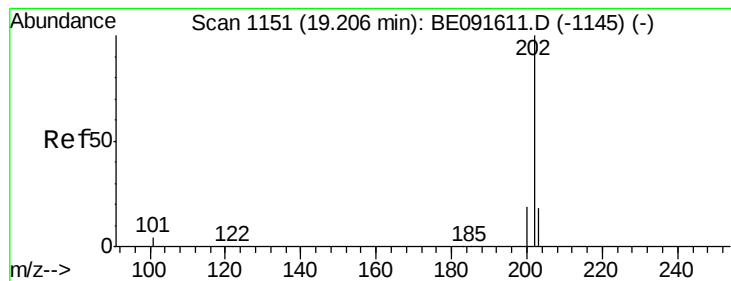


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 3.96 ng

RT: 19.20 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

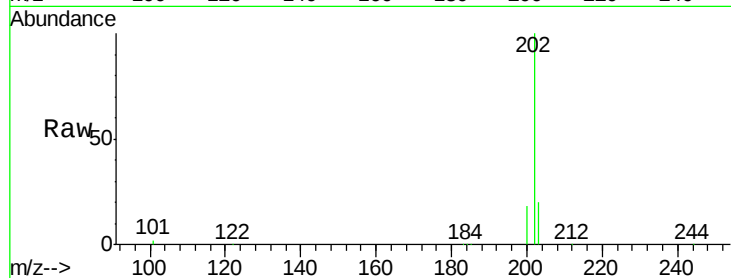
Tgt Ion:202 Resp: 298486

Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.6

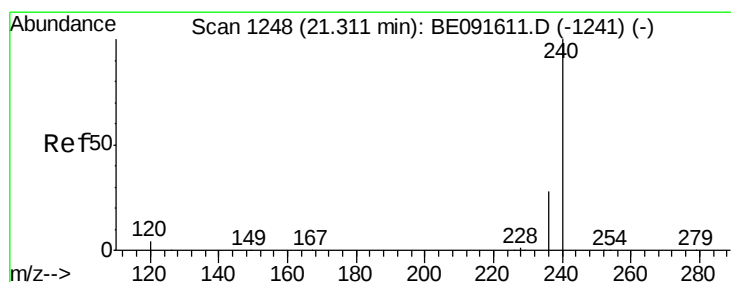
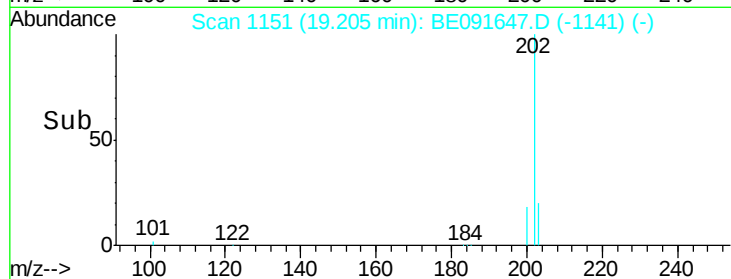
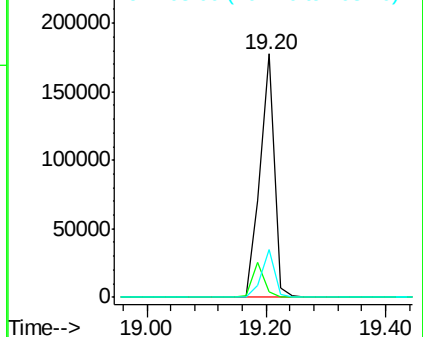
203 18.0 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

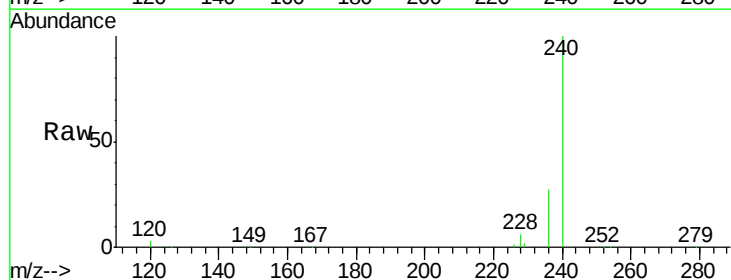
Tgt Ion:240 Resp: 403176

Ion Ratio Lower Upper

240 100

120 2.7 11.0 16.4#

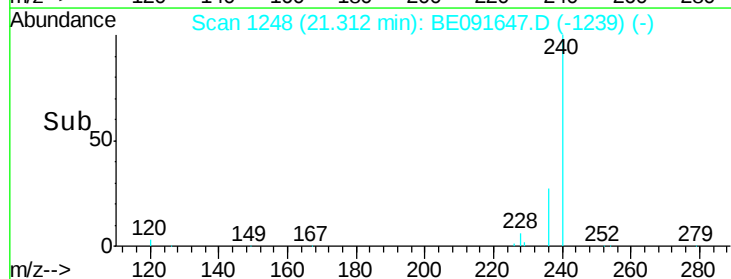
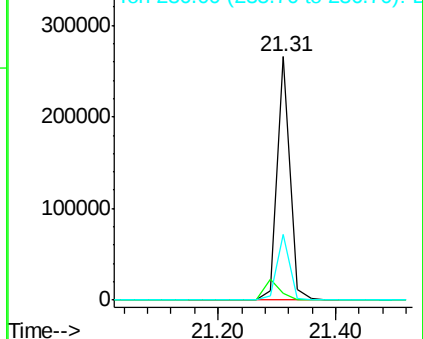
236 26.8 21.7 32.5

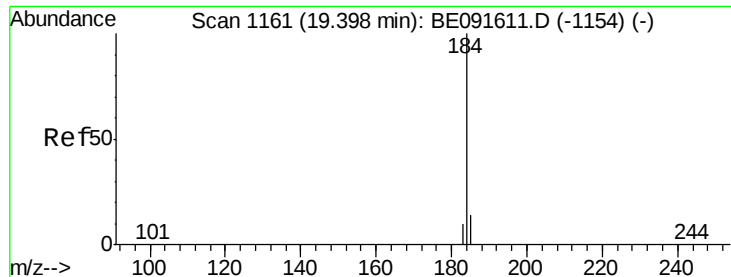


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

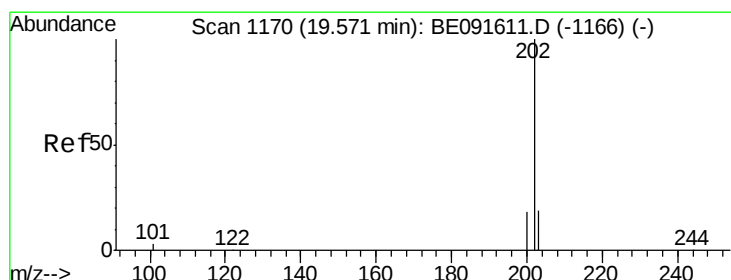
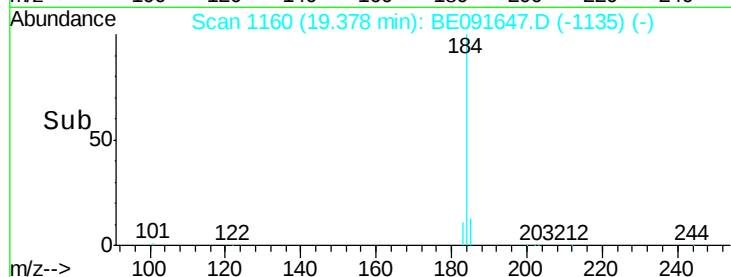
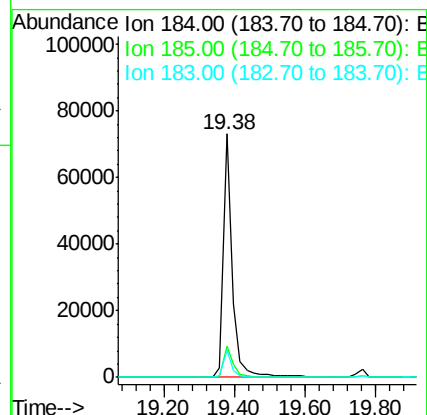
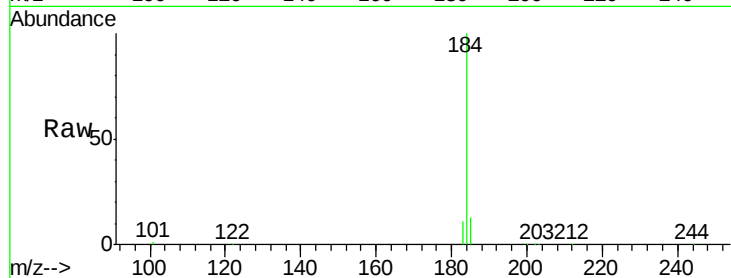




#27
Benzidine
Concen: 3.35 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

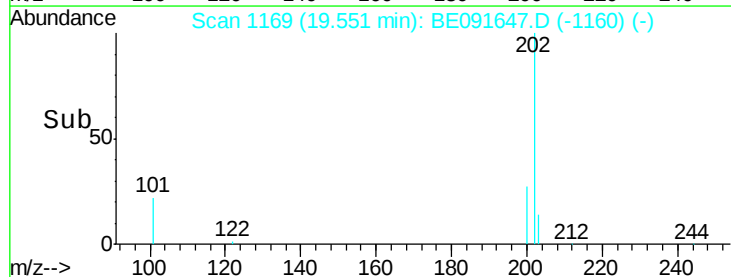
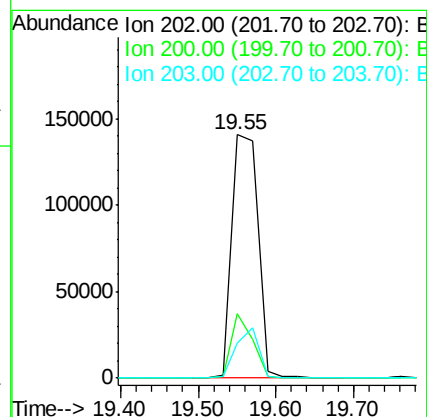
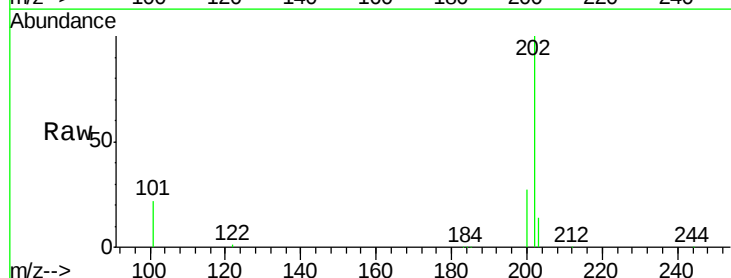
Instrument :
BNA_E
ClientSampleId :
PB89409BS

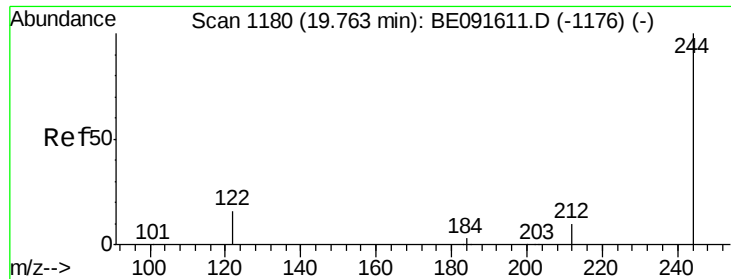
Tgt Ion:184 Resp: 127825
Ion Ratio Lower Upper
184 100
185 12.9 22.3 33.5#
183 11.4 16.4 24.6#



#28
Pyrene
Concen: 4.09 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion:202 Resp: 329663
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.0 14.0 21.0





#29

Terphenyl-d14

Concen: 4.02 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

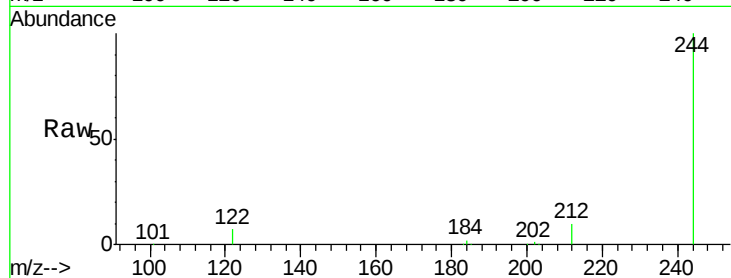
Tgt Ion:244 Resp: 202486

Ion Ratio Lower Upper

244 100

212 9.5 6.9 10.3

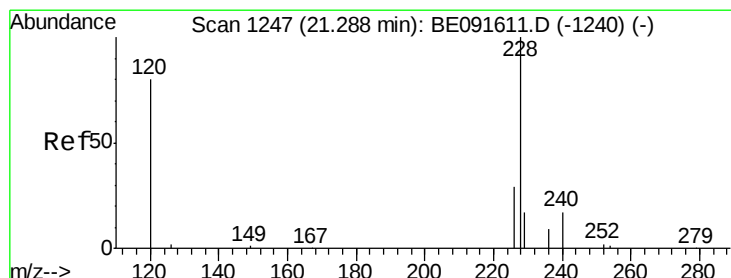
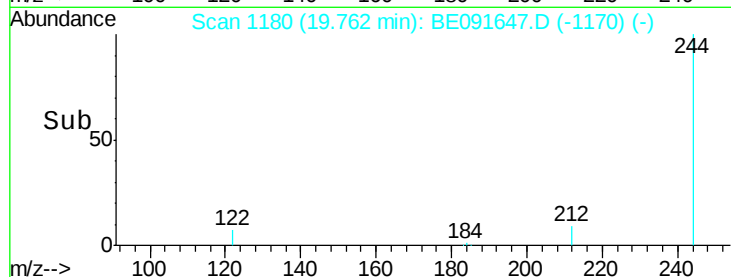
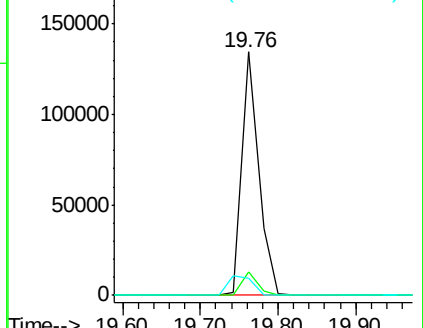
122 7.2 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 7.62 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

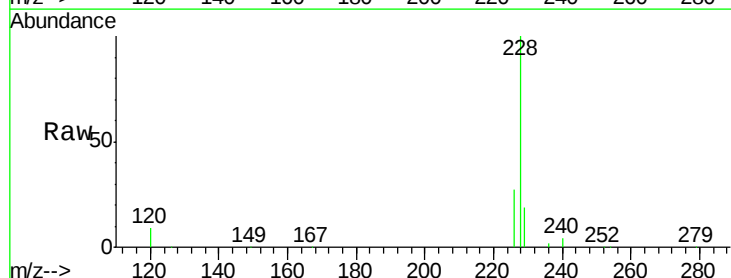
Tgt Ion:228 Resp: 687360

Ion Ratio Lower Upper

228 100

226 27.2 21.0 31.4

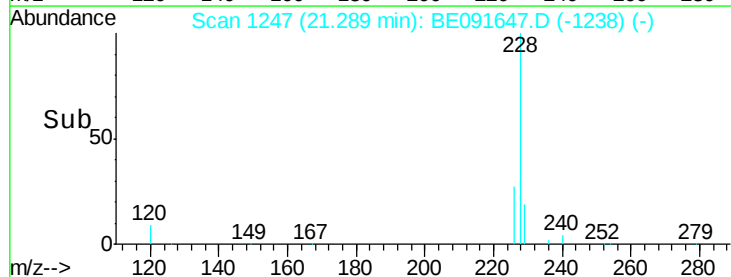
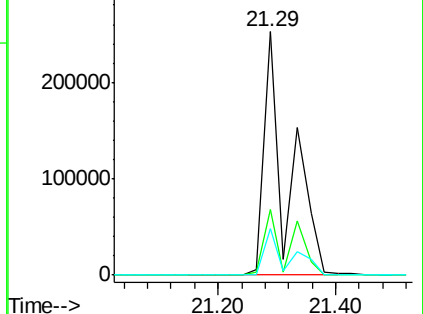
229 19.1 15.7 23.5

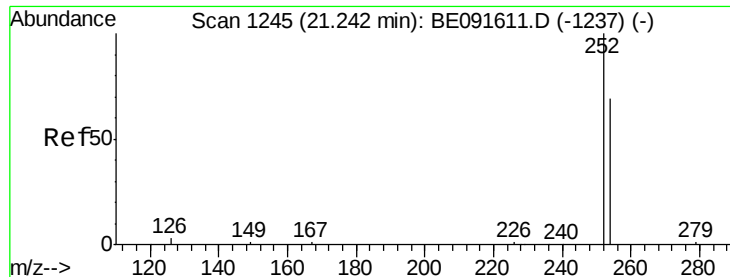


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

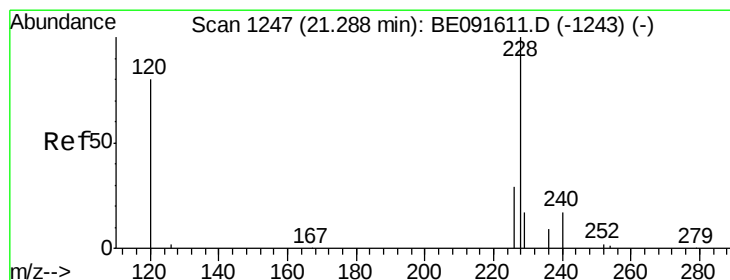
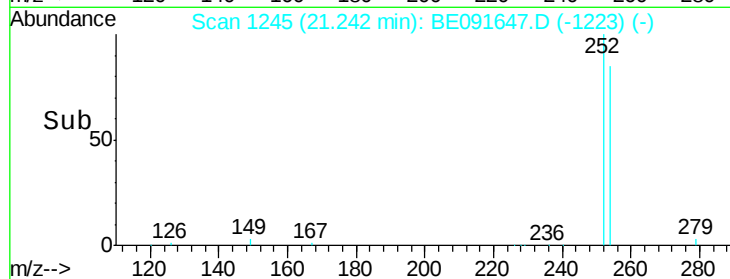
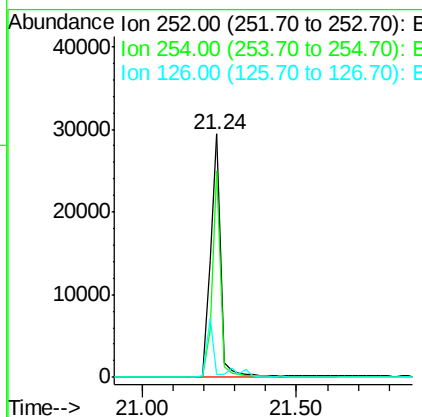
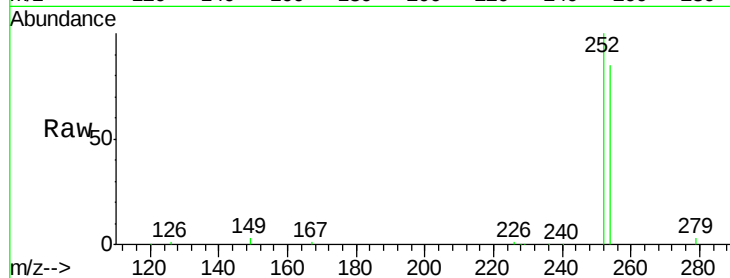




#31
 3,3'-Dichlorobenzidine
 Concen: 1.13 ng
 RT: 21.24 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

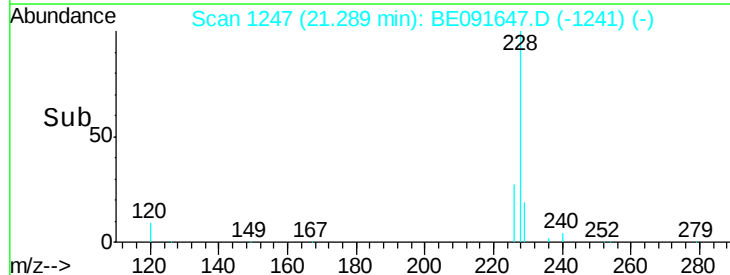
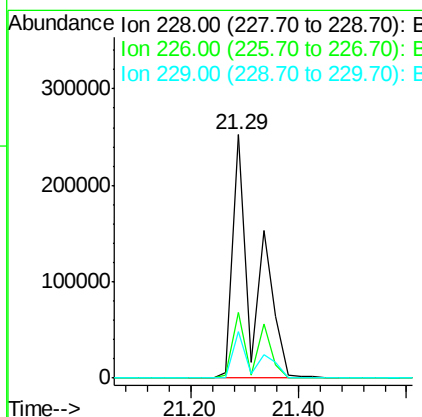
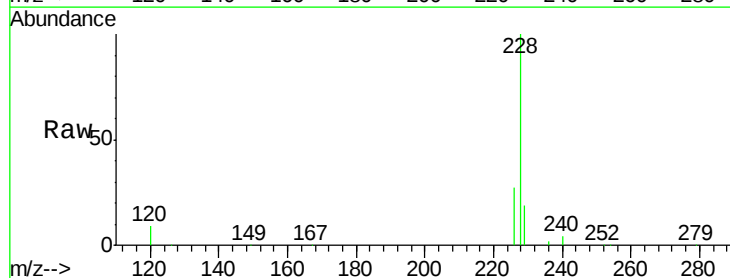
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BS

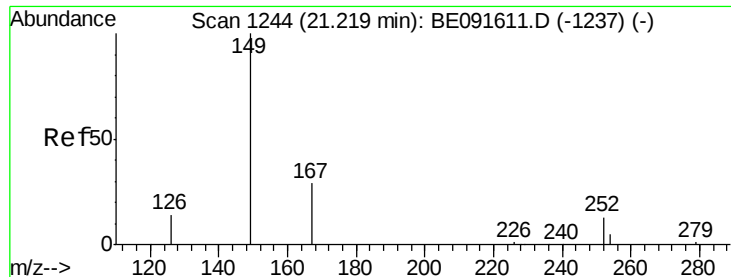
Tgt Ion: 252 Resp: 65671
 Ion Ratio Lower Upper
 252 100
 254 84.7 51.1 76.7#
 126 1.5 12.6 18.8#



#32
 Chrysene
 Concen: 8.44 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.07 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

Tgt Ion: 228 Resp: 690759
 Ion Ratio Lower Upper
 228 100
 226 27.2 24.0 36.0
 229 19.1 15.9 23.9

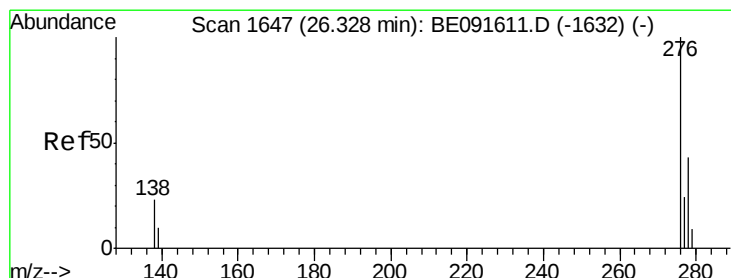
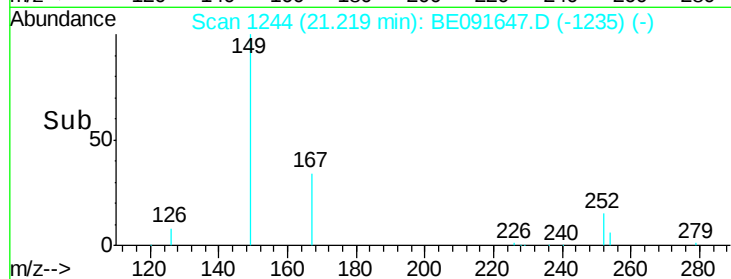
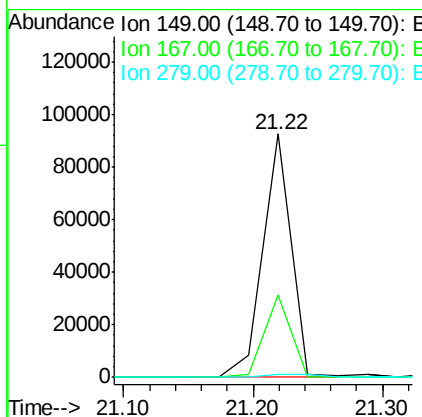
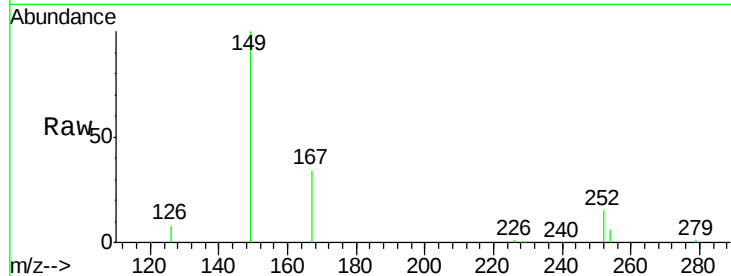




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 2.35 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

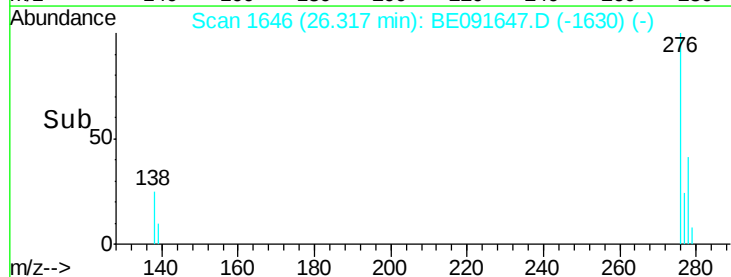
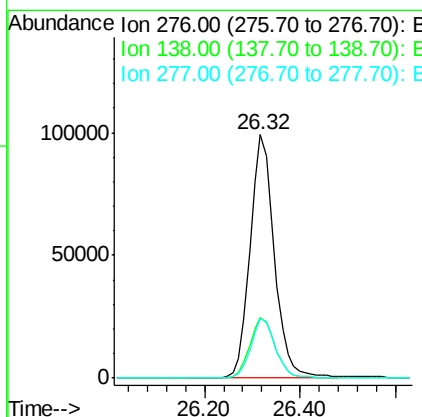
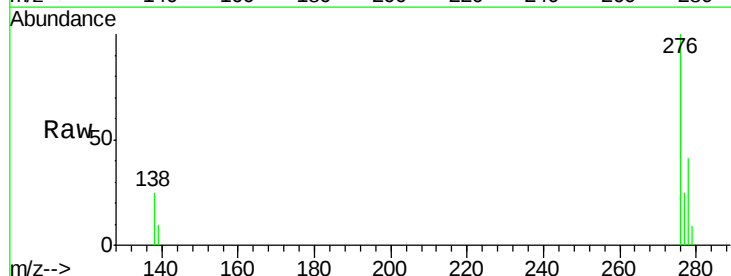
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BS

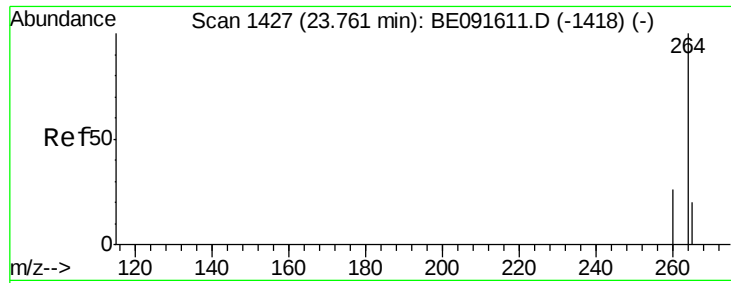
Tgt Ion:149 Resp: 140586
 Ion Ratio Lower Upper
 149 100
 167 32.3 19.5 29.3#
 279 2.1 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.81 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

Tgt Ion:276 Resp: 348198
 Ion Ratio Lower Upper
 276 100
 138 26.1 23.4 35.2
 277 24.9 19.8 29.8

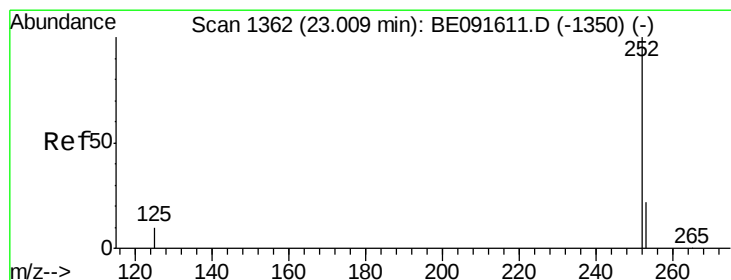
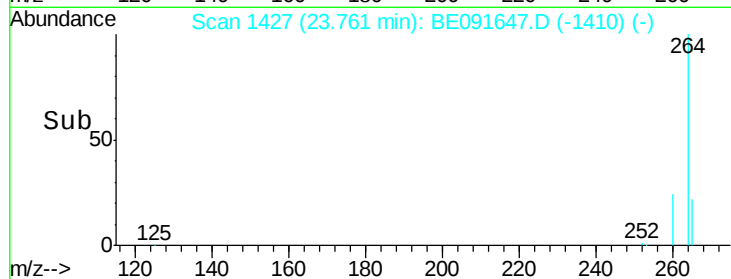
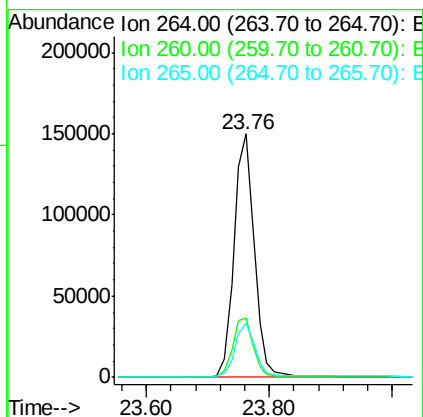
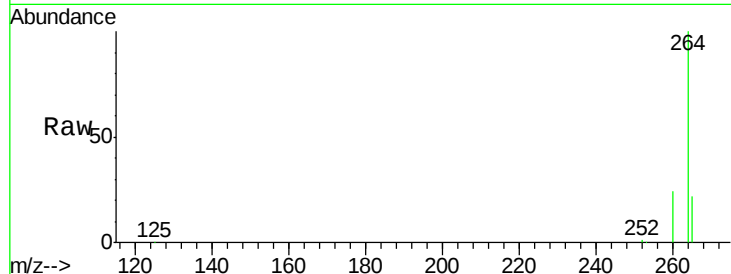




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

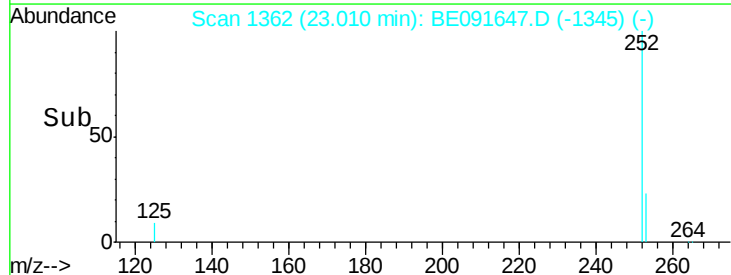
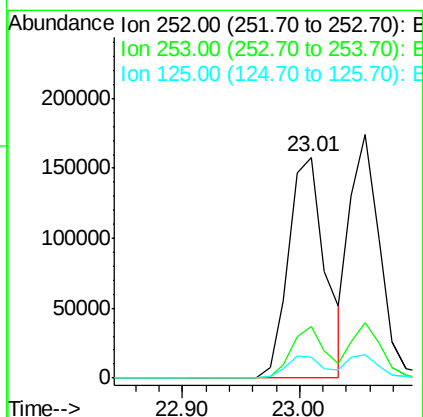
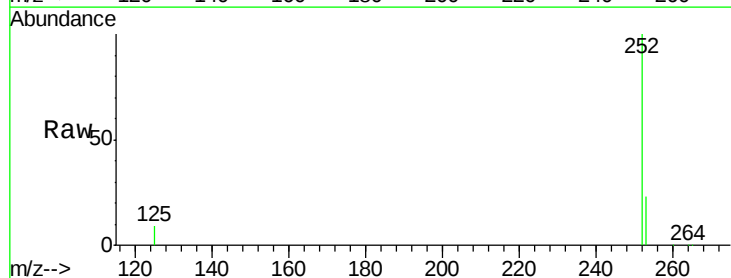
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BS

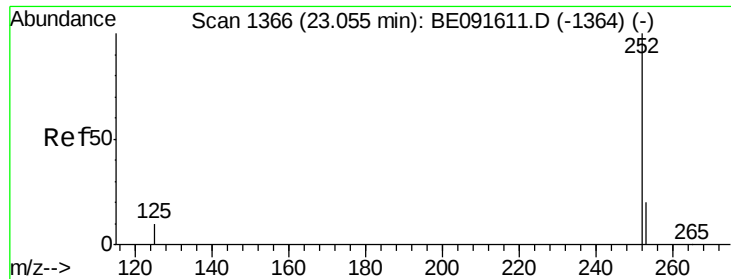
Tgt Ion: 264 Resp: 348090
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.0 30.0
 265 22.4 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 4.25 ng
 RT: 23.01 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: BE091647.D
 Acq: 12 Apr 2016 11:50

Tgt Ion: 252 Resp: 343745
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.0
 125 9.4 10.2 15.2#

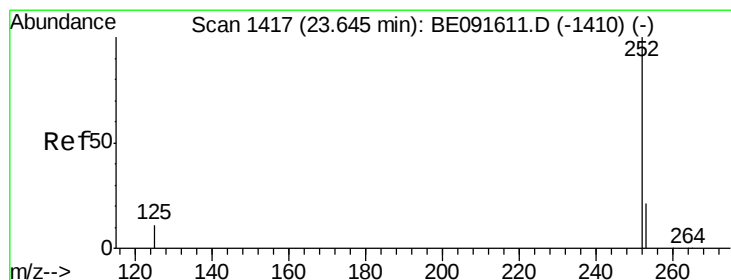
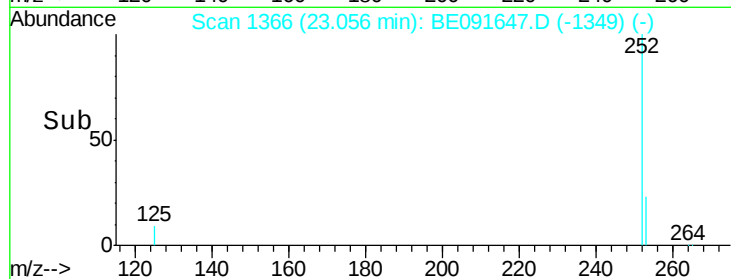
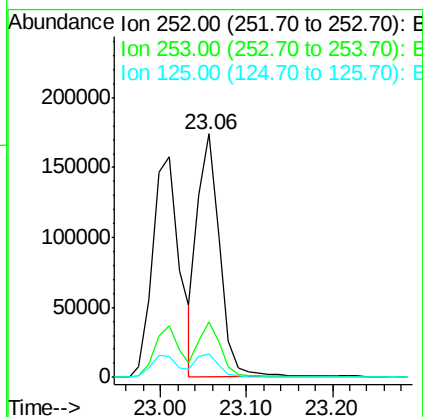
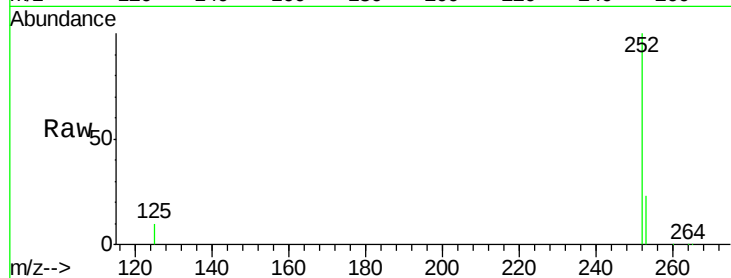




#37
Benzo(k)fluoranthene
Concen: 3.87 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

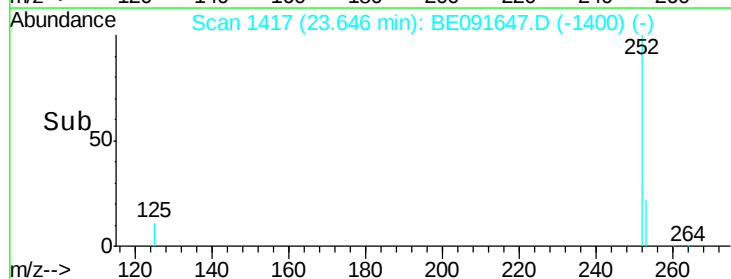
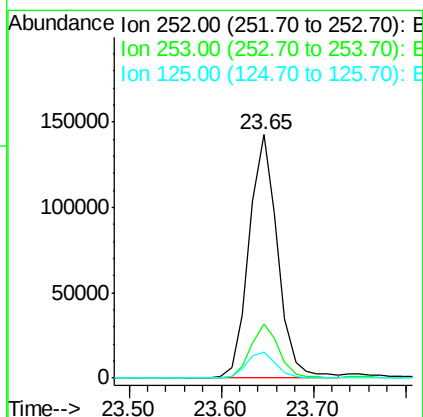
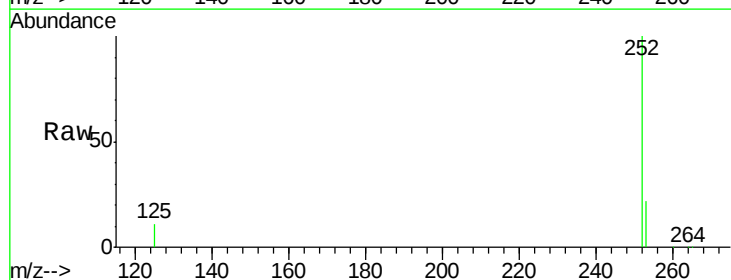
Instrument :
BNA_E
ClientSampleId :
PB89409BS

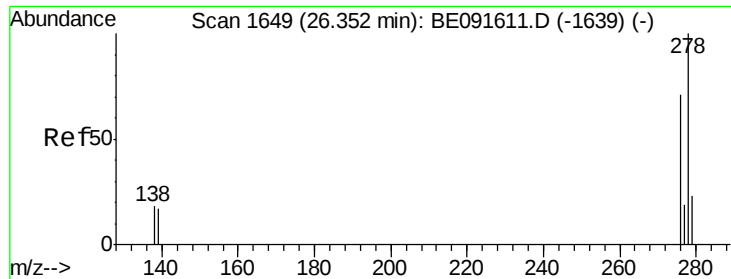
Tgt Ion: 252 Resp: 308295
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.6 9.9 14.9#



#38
Benzo(a)pyrene
Concen: 4.05 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091647.D
Acq: 12 Apr 2016 11:50

Tgt Ion: 252 Resp: 304371
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 10.9 11.0 16.4#





#39

Dibenzo(a,h)anthracene

Concen: 3.94 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

Instrument :

BNA_E

ClientSampleId :

PB89409BS

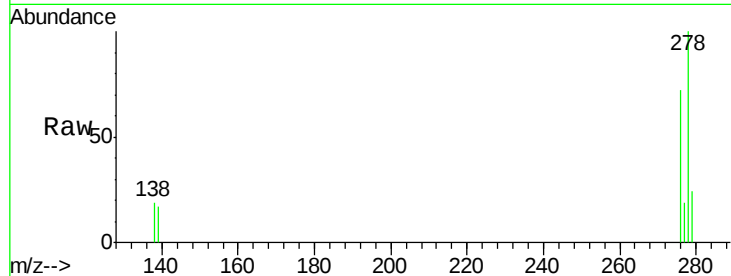
Tgt Ion: 278 Resp: 291596

Ion Ratio Lower Upper

278 100

139 16.9 16.0 24.0

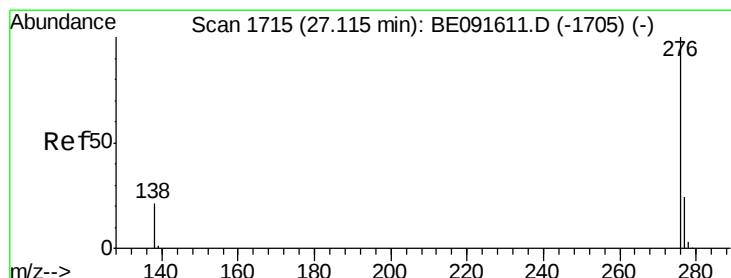
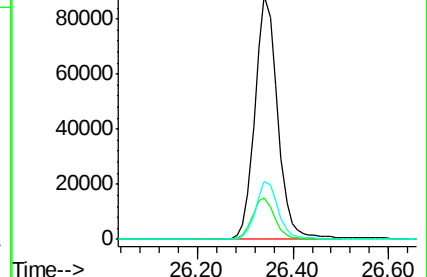
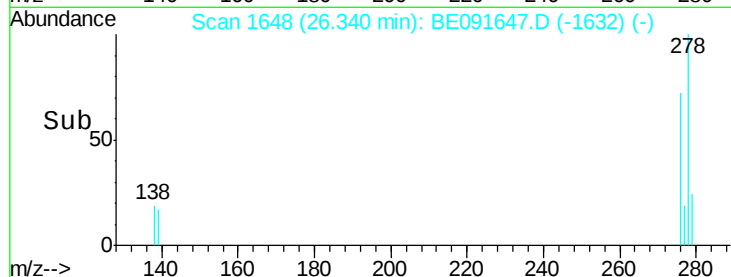
279 23.6 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 3.89 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BE091647.D

Acq: 12 Apr 2016 11:50

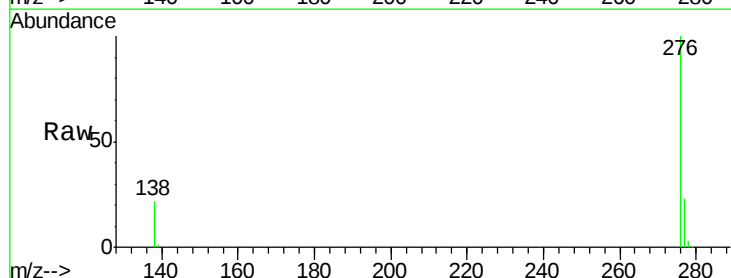
Tgt Ion: 276 Resp: 296497

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 22.2 20.4 30.6



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

