

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091930.D
 Acq On : 15 Jun 2016 18:21
 Operator : UM/SJ
 Sample : PB91250BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91250BS

Quant Time: Jun 15 18:53:35 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	30973	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	135657	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	103618	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	197080	5.00	ng	0.00
31) Chrysene-d12	21.76	240	336889	5.00	ng	0.00
40) Perylene-d12	24.16	264	221588	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	43164	7.13	ng	0.00
5) Phenol-d6	7.37	99	62989	6.36	ng	0.02
9) Nitrobenzene-d5	9.37	82	39840	4.25	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	22465	8.33	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	99468	3.78	ng	0.00
34) Terphenyl-d14	20.22	244	137413	3.33	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	12309	2.82	ng	97
3) n-Nitrosodimethylamine	3.82	42	18130	3.65	ng	89
6) bis(2-Chloroethyl)ether	7.63	93	32439	3.66	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	29230	3.48	ng	# 98
10) Nitrobenzene	9.40	77	39895	3.76	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	45397	3.82	ng	# 19
12) Naphthalene	11.04	128	106190	3.58	ng	# 94
13) Hexachlorobutadiene	11.34	225	17114	3.57	ng	98
14) 2-Methylnaphthalene	12.68	142	79147	3.94	ng	95
18) Acenaphthylene	14.56	152	405241	3.85	ng	# 61
19) 2,6-Dinitrotoluene	14.43	165	85280	3.76	ng	# 37
20) Acenaphthene	14.92	154	114909	3.97	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	93764	4.53	ng	# 83
22) Fluorene	15.90	166	106715	3.70	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	51388	3.62	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	30720	4.03	ng	97
26) Hexachlorobenzene	16.90	284	31307	4.00	ng	98
27) Pentachlorophenol	17.25	266	30505	7.05	ng	# 86
28) Phenanthrene	17.64	178	188526	3.83	ng	99
29) Anthracene	17.73	178	181049	4.15	ng	100
30) Fluoranthene	19.65	202	779975	3.70	ng	# 86
32) Benzidine	19.83	184	63317	3.20	ng	# 90
33) Pyrene	19.99	202	853662	3.73	ng	# 64
35) Benzo(a)anthracene	21.79	228	527928	9.97	ng	# 92
36) 3,3'-Dichlorobenzidine	21.67	252	40393	4.71	ng	# 61
37) Chrysene	21.79	228	531608	6.88	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	181040	3.82	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	996248	3.77	ng	97
41) Benzo(b)fluoranthene	23.42	252	229184	4.03	ng	98
42) Benzo(k)fluoranthene	23.47	252	234414	4.50	ng	95
43) Benzo(a)pyrene	24.06	252	215499	4.34	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	208337	4.31	ng	96
45) Benzo(g,h,i)perylene	27.45	276	845393	4.23	ng	96

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Response via : Initial Calibration

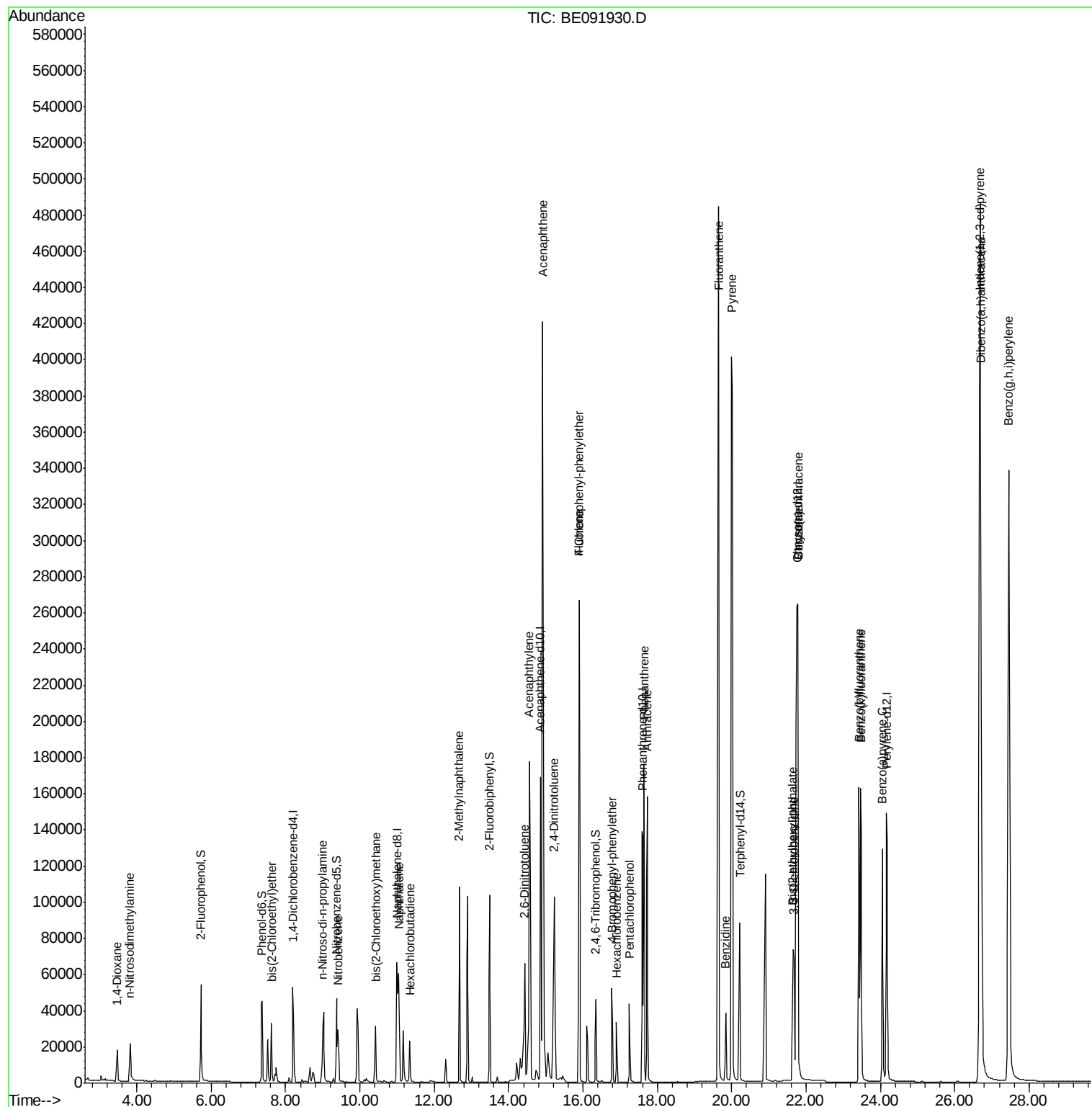
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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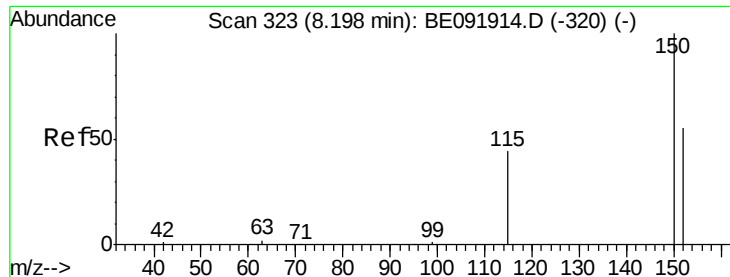
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

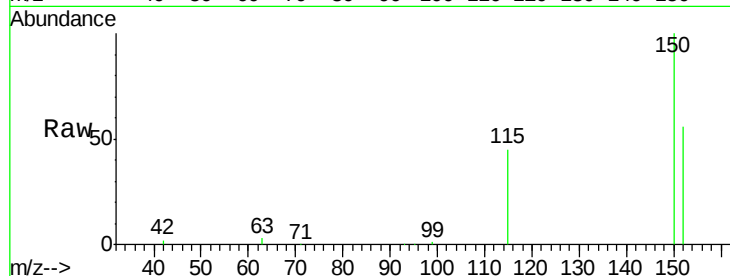
Tgt Ion:152 Resp: 30973

Ion Ratio Lower Upper

152 100

150 179.3 123.9 185.9

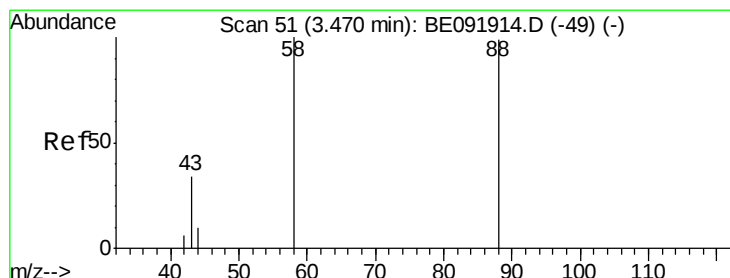
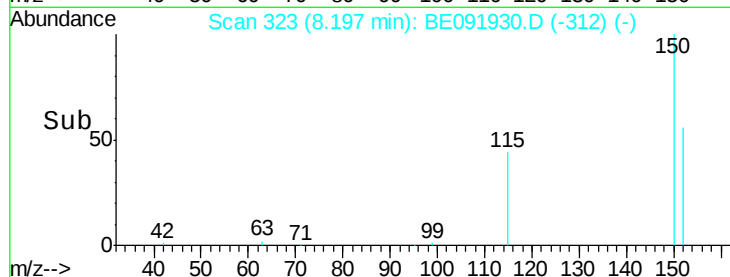
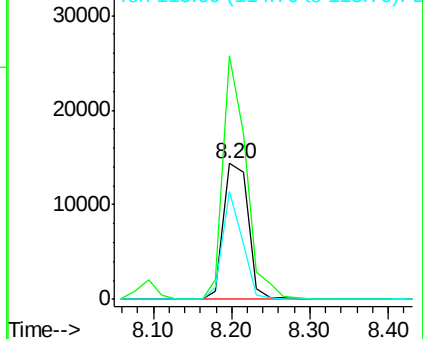
115 80.0 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.82 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

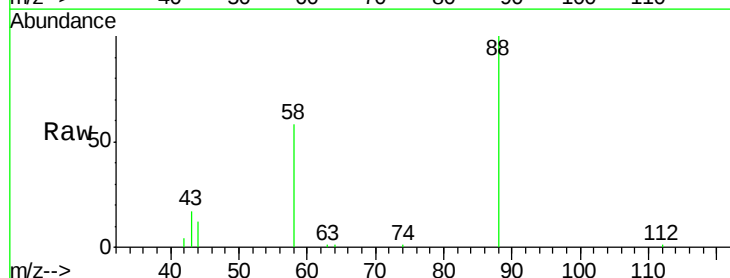
Tgt Ion: 88 Resp: 12309

Ion Ratio Lower Upper

88 100

58 82.3 63.0 94.4

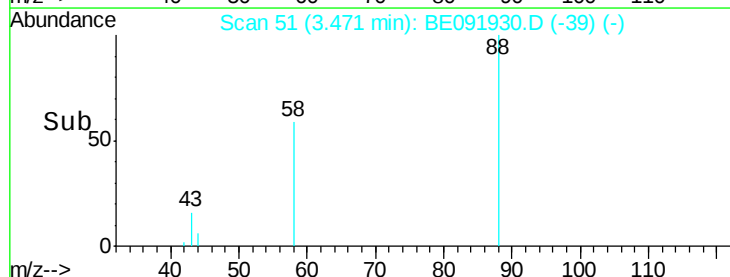
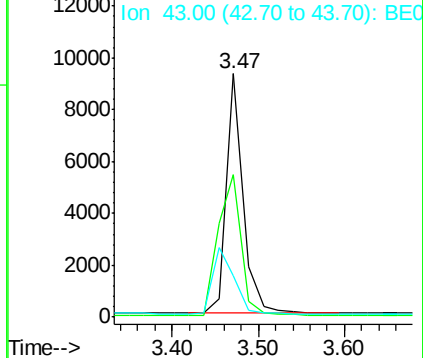
43 36.2 29.1 43.7

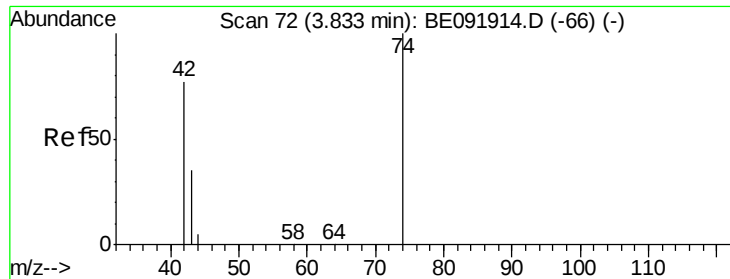


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.65 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

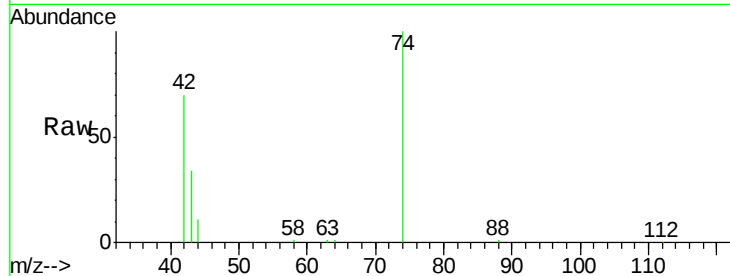
Tgt Ion: 42 Resp: 18130

Ion Ratio Lower Upper

42 100

74 104.3 93.4 140.0

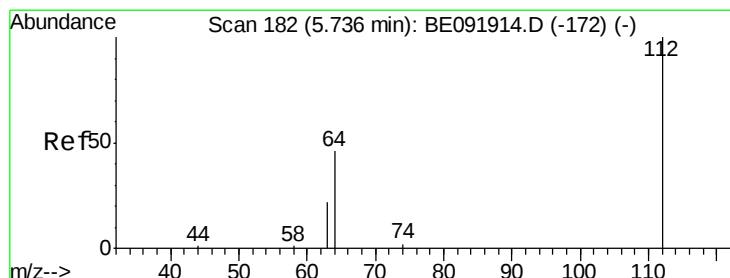
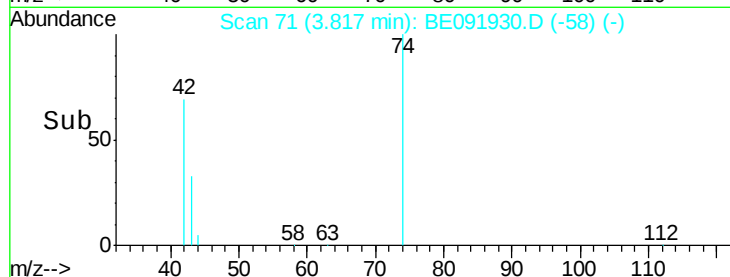
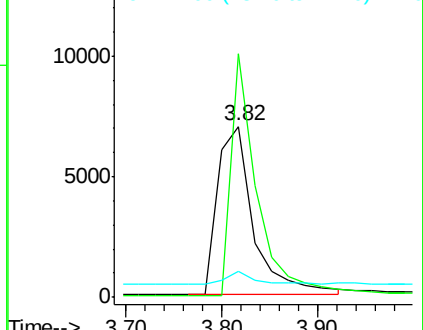
44 5.7 5.0 7.6



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: 7.13 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

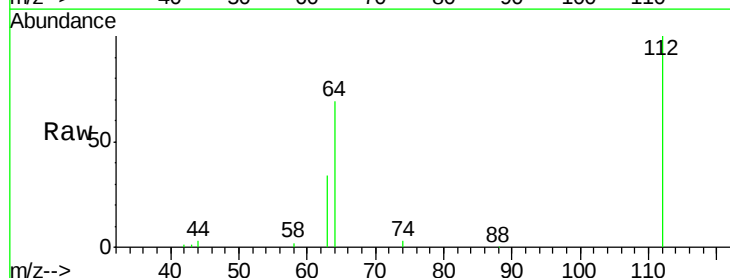
Tgt Ion: 112 Resp: 43164

Ion Ratio Lower Upper

112 100

64 67.4 53.7 80.5

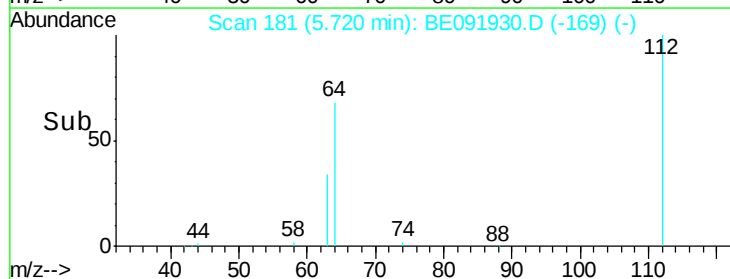
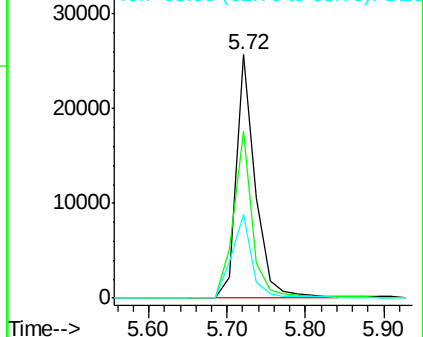
63 36.0 29.5 44.3

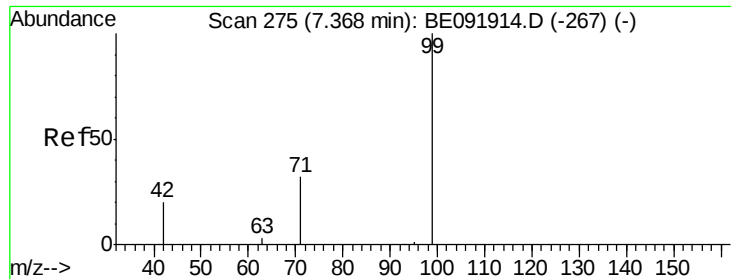


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.36 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

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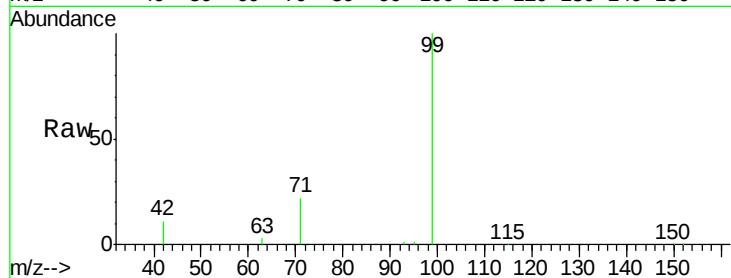
Tgt Ion: 99 Resp: 62989

Ion Ratio Lower Upper

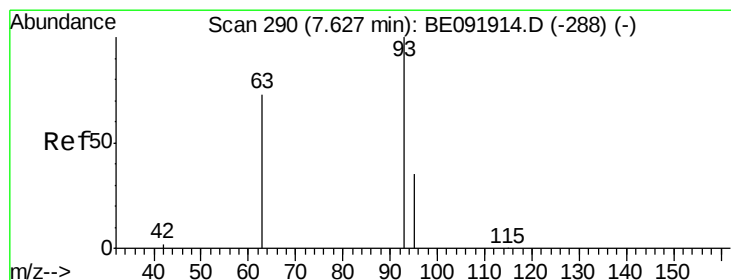
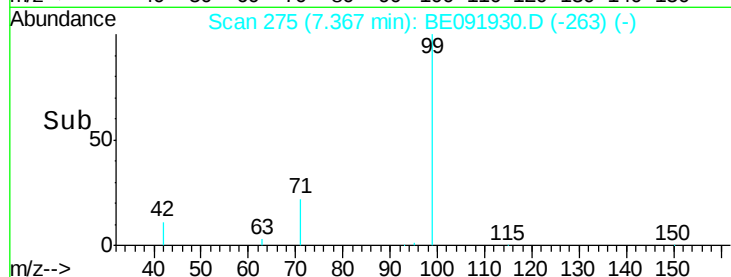
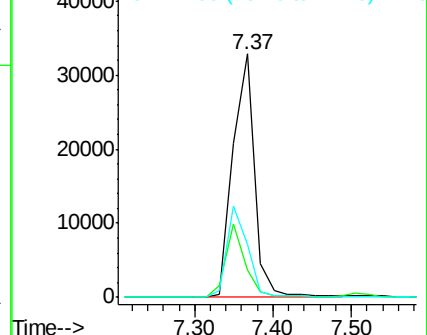
99 100

42 26.3 19.6 29.4

71 35.7 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: 3.66 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

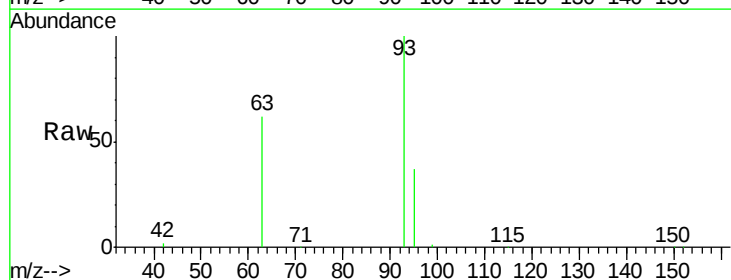
Tgt Ion: 93 Resp: 32439

Ion Ratio Lower Upper

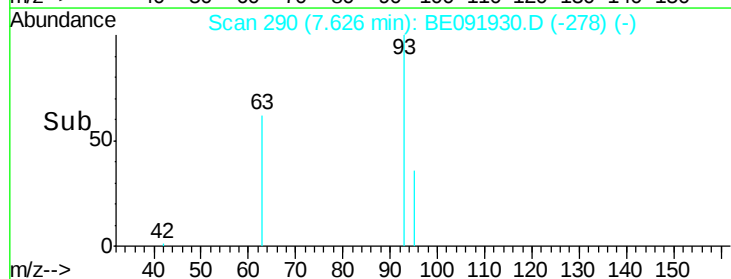
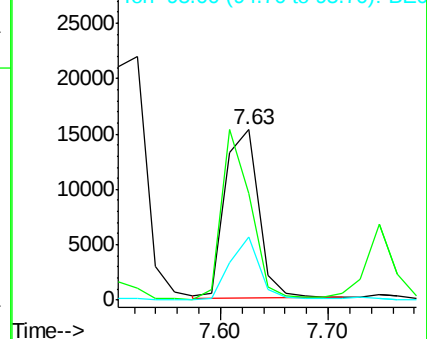
93 100

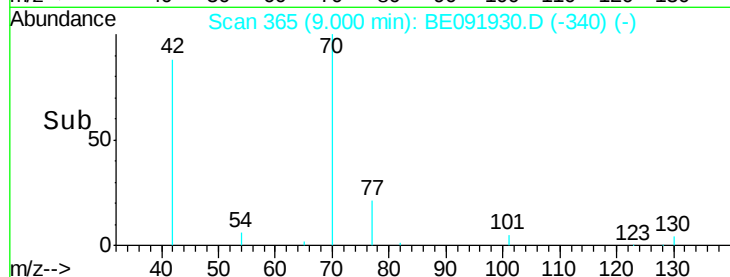
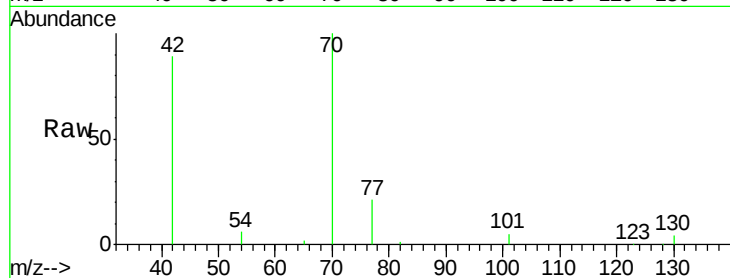
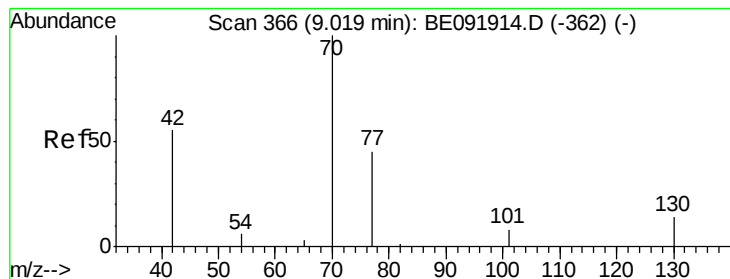
63 87.7 66.2 99.4

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: 3.48 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

Tgt Ion: 70 Resp: 29230

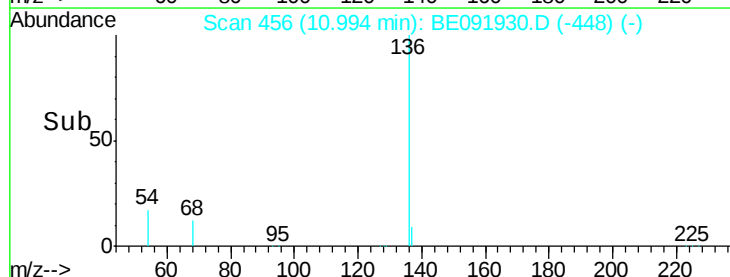
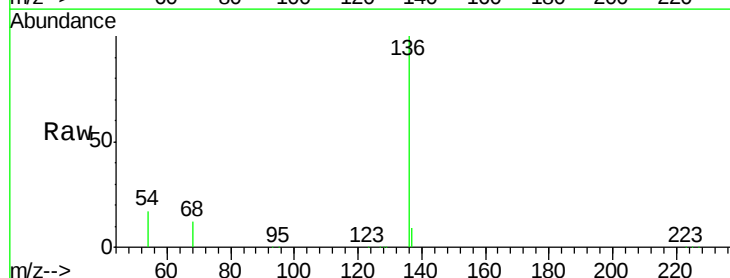
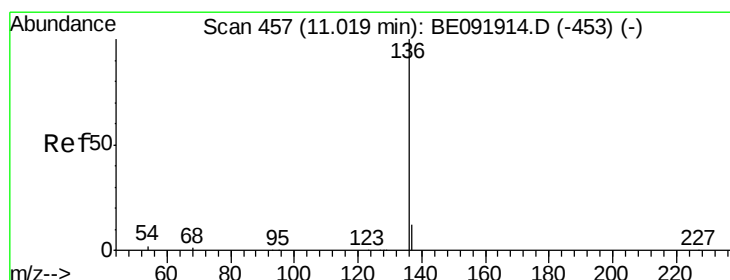
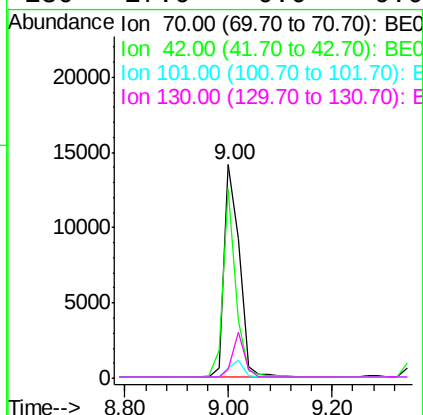
Ion Ratio Lower Upper

70 100

42 75.0 58.4 87.6

101 8.0 6.4 9.6

130 17.0 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: BE091930.D

Acq: 15 Jun 2016 18:21

Tgt Ion: 136 Resp: 135657

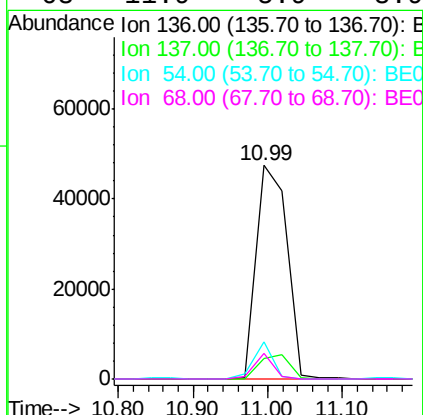
Ion Ratio Lower Upper

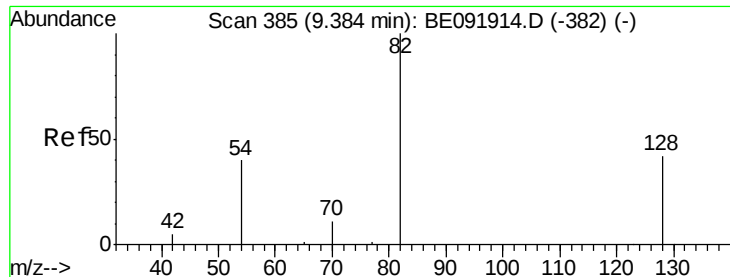
136 100

137 9.4 8.3 12.5

54 17.4 8.2 12.4#

68 11.9 5.9 8.9#

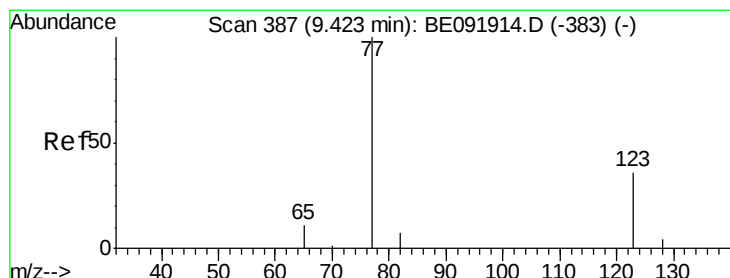
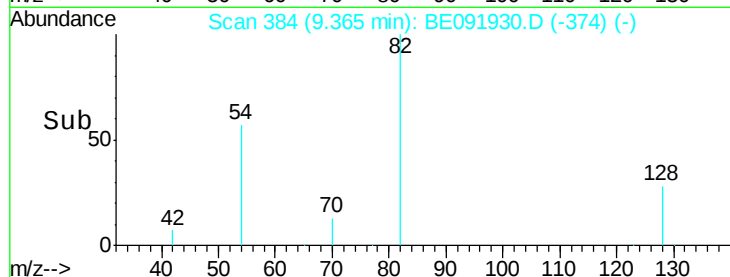
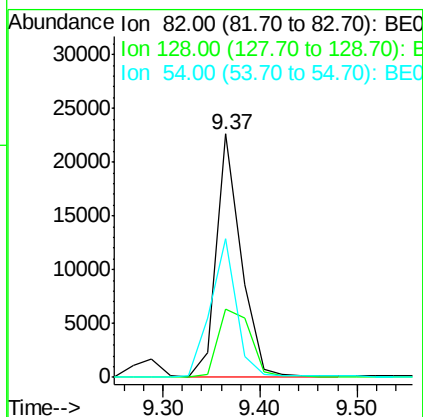
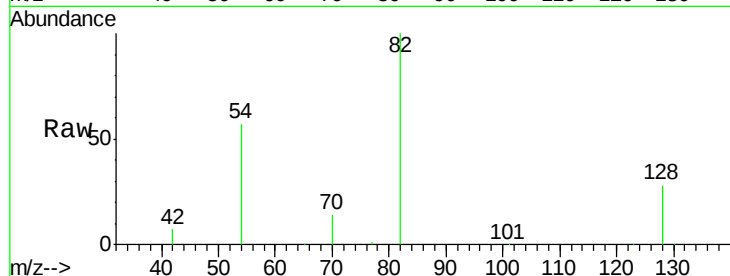




#9
 Nitrobenzene-d5
 Concen: 4.25 ng
 RT: 9.37 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

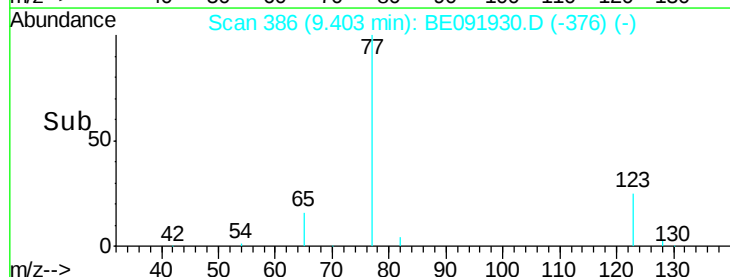
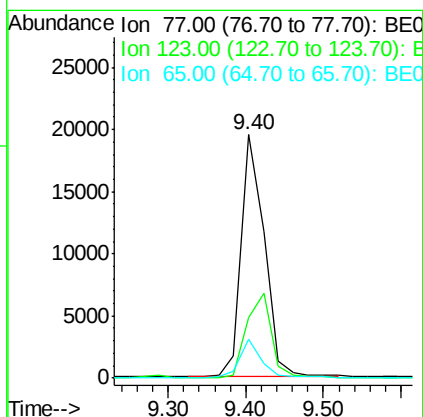
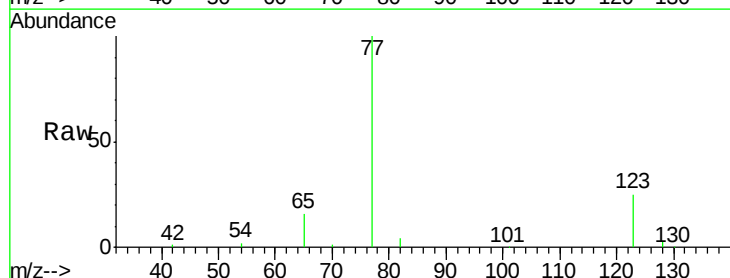
Instrument :
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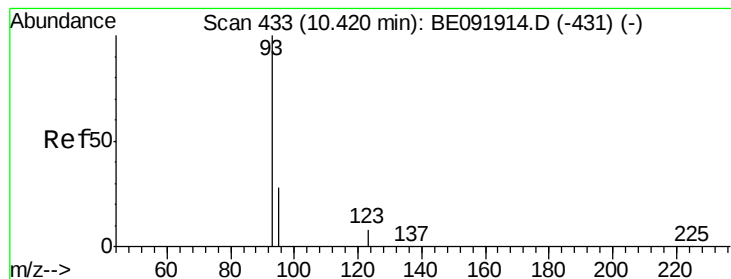
Tgt Ion: 82 Resp: 39840
 Ion Ratio Lower Upper
 82 100
 128 27.9 39.5 59.3#
 54 56.8 30.3 45.5#



#10
 Nitrobenzene
 Concen: 3.76 ng
 RT: 9.40 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

Tgt Ion: 77 Resp: 39895
 Ion Ratio Lower Upper
 77 100
 123 37.6 0.0 0.0#
 65 13.9 11.1 16.7





#11

bis(2-Chloroethoxy)methane

Concen: 3.82 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

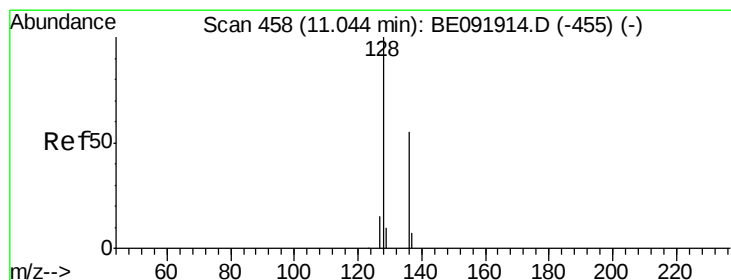
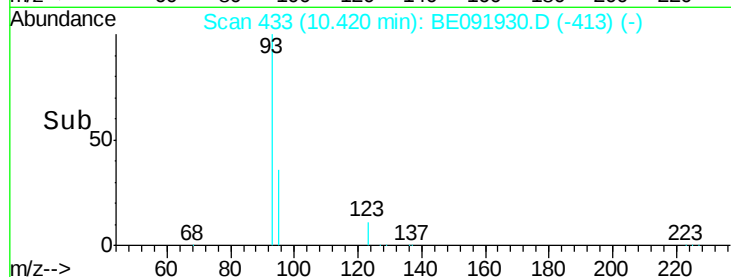
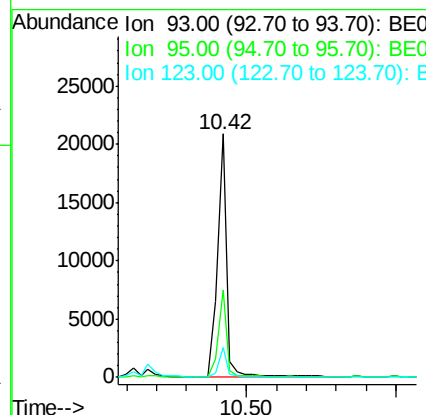
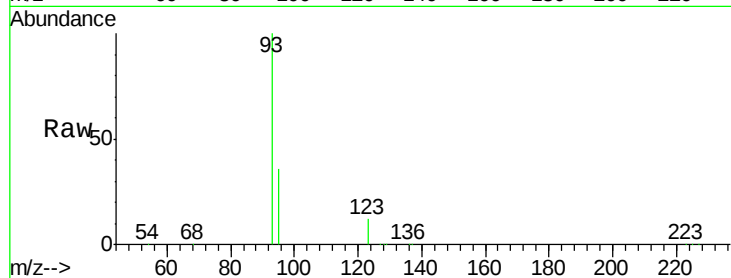
Tgt Ion: 93 Resp: 45397

Ion Ratio Lower Upper

93 100

95 32.8 57.6 86.4#

123 10.4 100.2 150.4#



#12

Naphthalene

Concen: 3.58 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

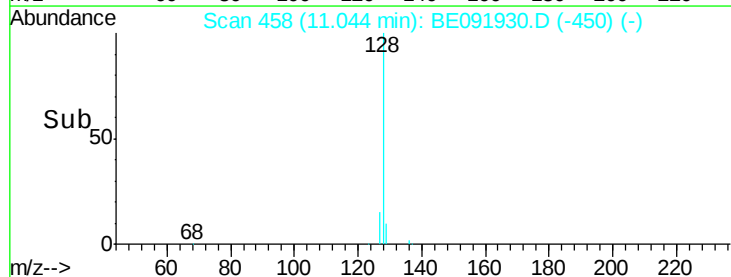
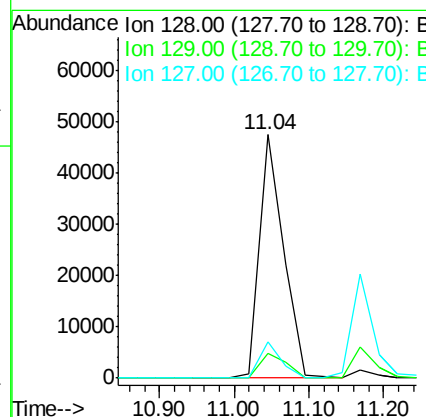
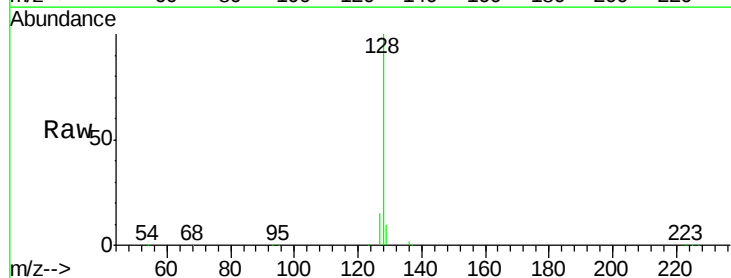
Tgt Ion: 128 Resp: 106190

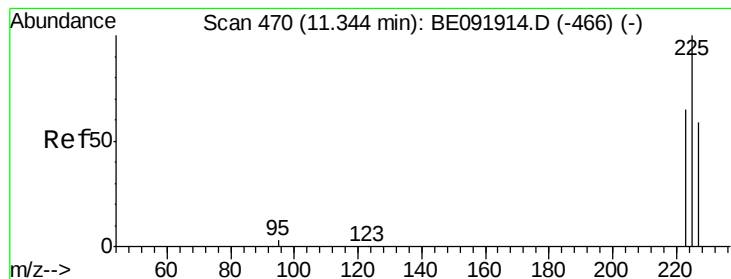
Ion Ratio Lower Upper

128 100

129 10.1 10.4 15.6#

127 14.6 10.2 15.2





#13

Hexachlorobutadiene

Concen: 3.57 ng

RT: 11.34 min Scan# 470

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

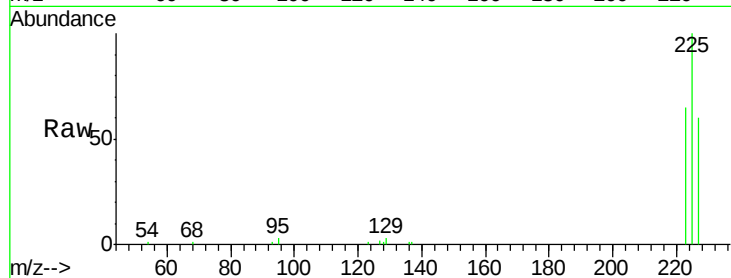
Tgt Ion:225 Resp: 17114

Ion Ratio Lower Upper

225 100

223 64.3 49.8 74.8

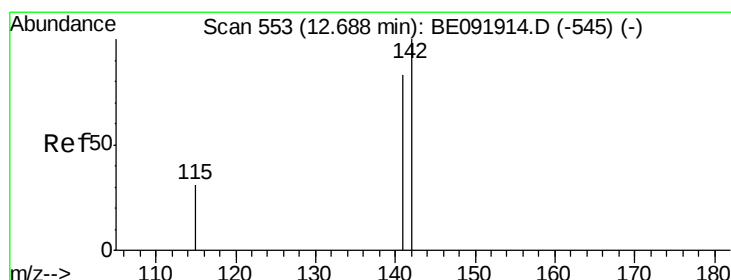
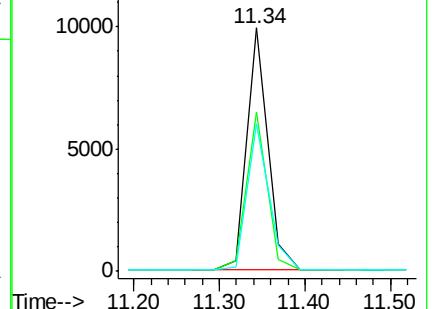
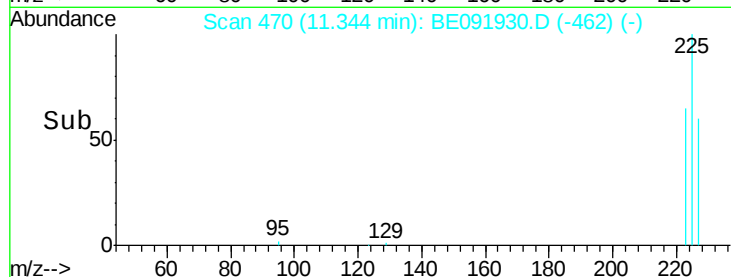
227 62.5 50.6 75.8



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#14

2-Methylnaphthalene

Concen: 3.94 ng

RT: 12.68 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

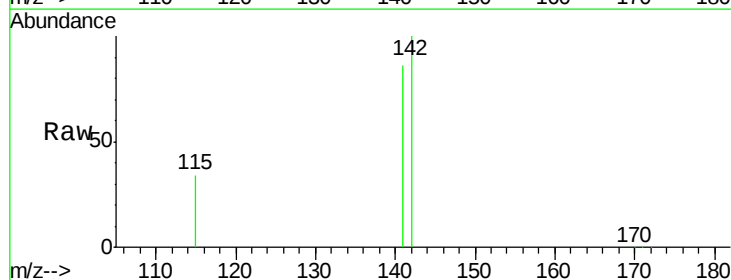
Tgt Ion:142 Resp: 79147

Ion Ratio Lower Upper

142 100

141 85.7 71.9 107.9

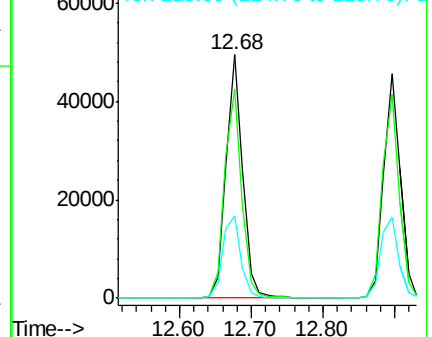
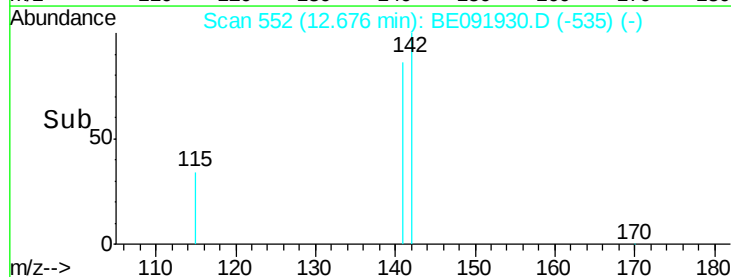
115 33.7 29.9 44.9

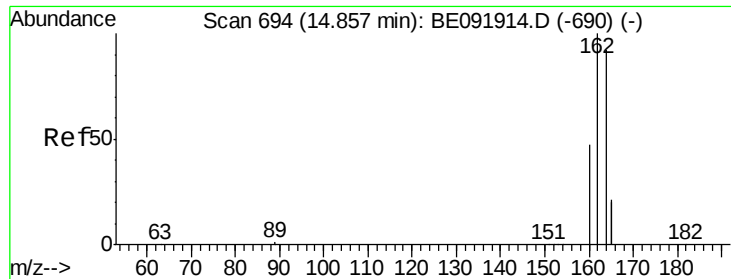


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

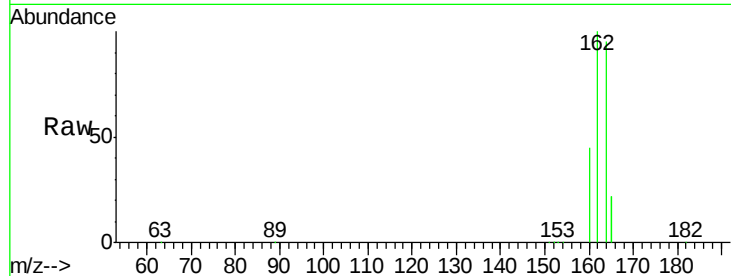
Tgt Ion:164 Resp: 103618

Ion Ratio Lower Upper

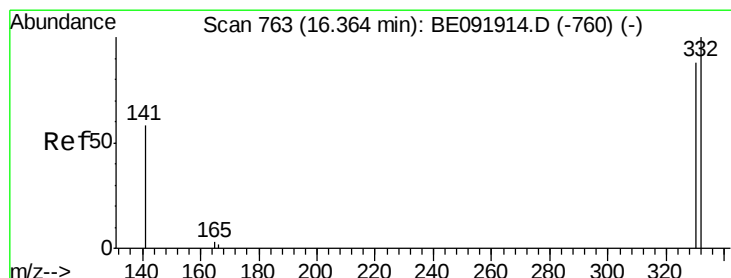
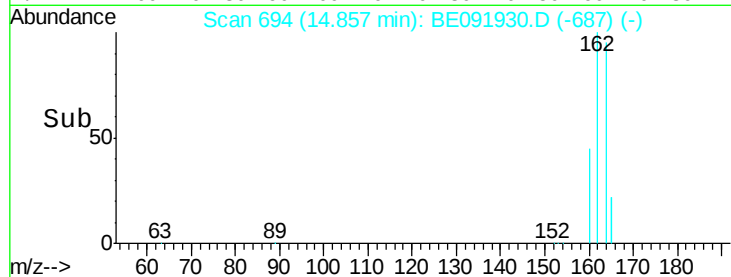
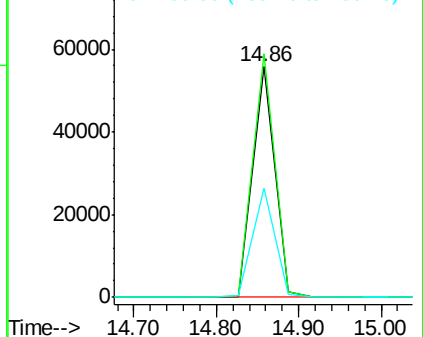
164 100

162 105.7 71.8 107.8

160 47.3 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: 8.33 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

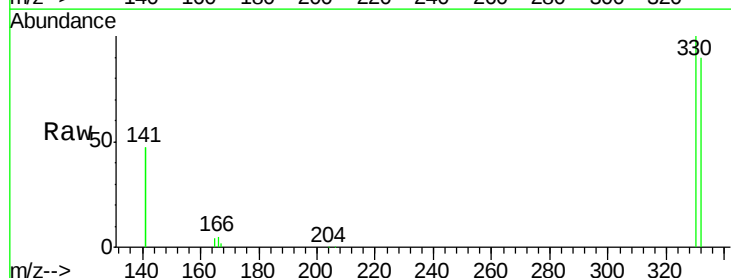
Tgt Ion:330 Resp: 22465

Ion Ratio Lower Upper

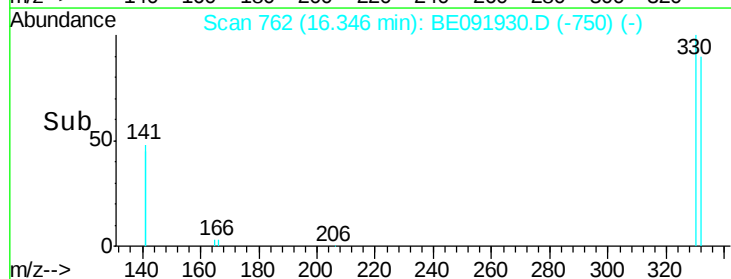
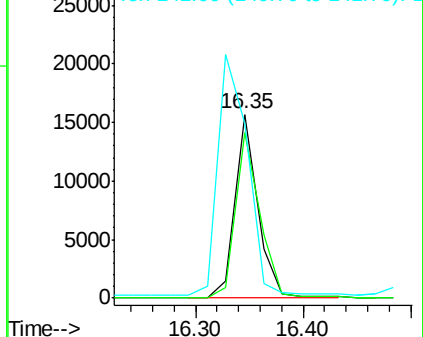
330 100

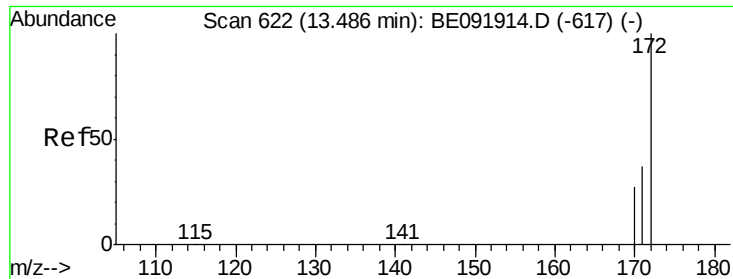
332 96.3 77.0 115.6

141 173.0 138.4 207.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

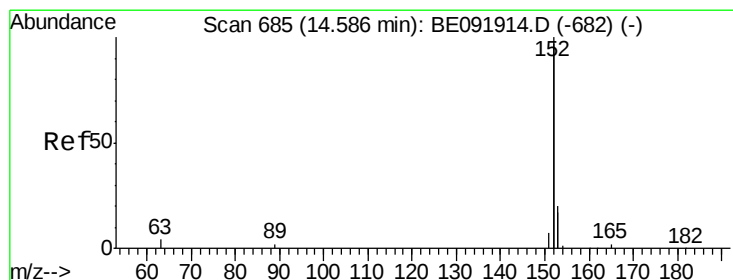
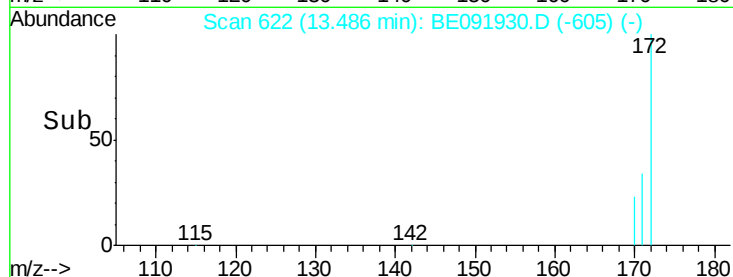
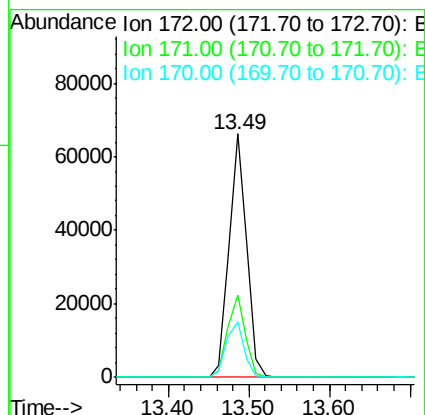
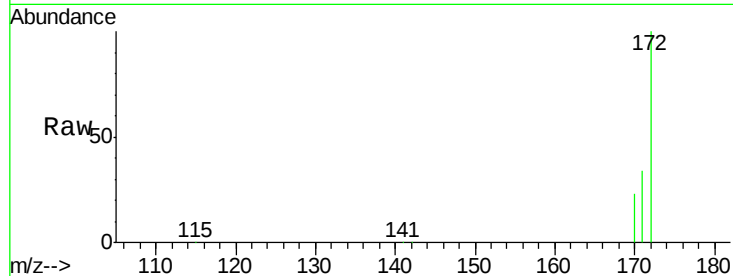




#17
 2-Fluorobiphenyl
 Concen: 3.78 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

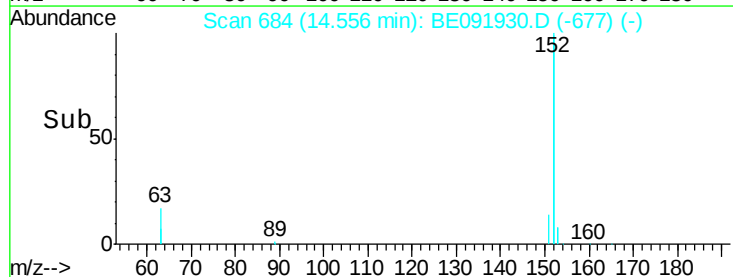
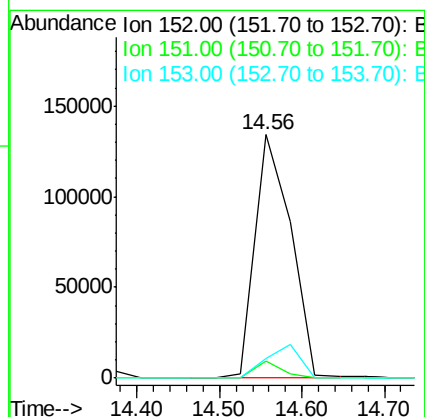
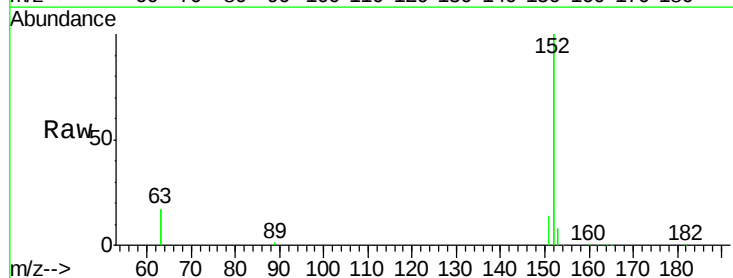
Instrument :
 BNA_E
 ClientSampleId :
 PB91250BS

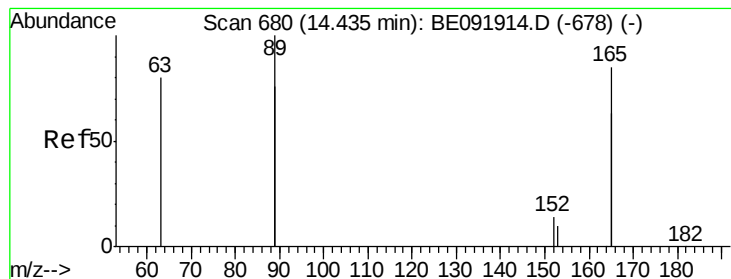
Tgt Ion:172 Resp: 99468
 Ion Ratio Lower Upper
 172 100
 171 33.9 24.3 36.5
 170 22.7 14.9 22.3#



#18
 Acenaphthylene
 Concen: 3.85 ng
 RT: 14.56 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

Tgt Ion:152 Resp: 405241
 Ion Ratio Lower Upper
 152 100
 151 5.4 19.4 29.2#
 153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.76 ng

RT: 14.43 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

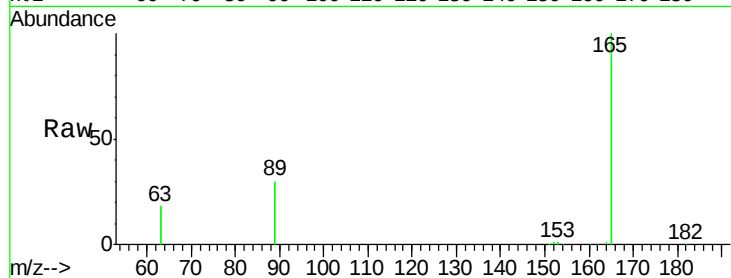
Tgt Ion:165 Resp: 85280

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

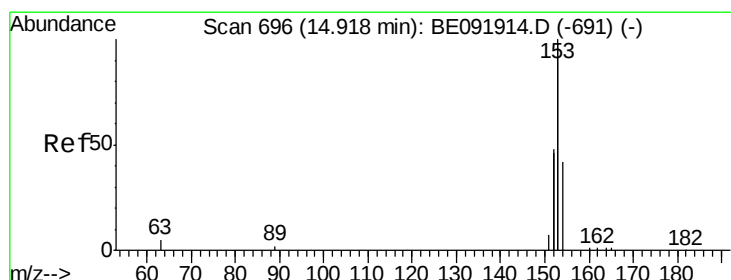
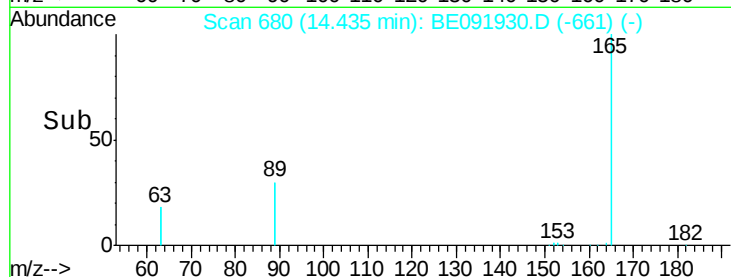
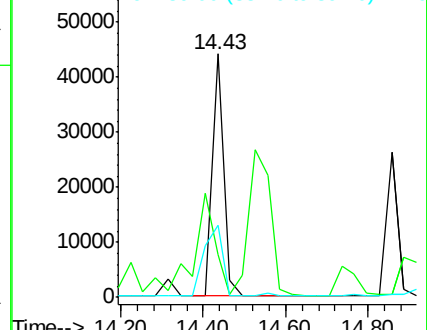
89 48.6 59.1 88.7#



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: 3.97 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

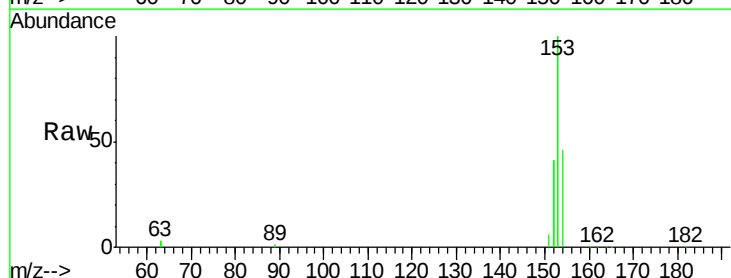
Tgt Ion:154 Resp: 114909

Ion Ratio Lower Upper

154 100

153 396.4 88.1 132.1#

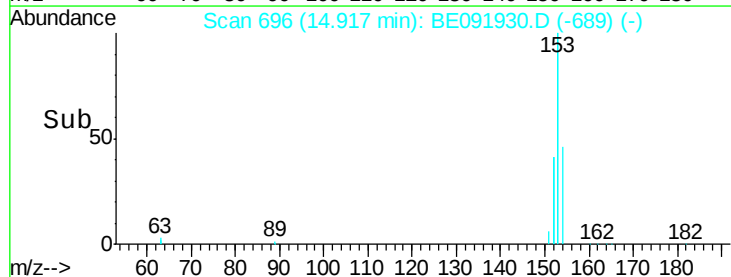
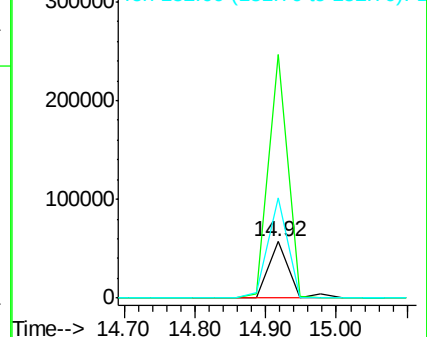
152 169.8 44.2 66.2#

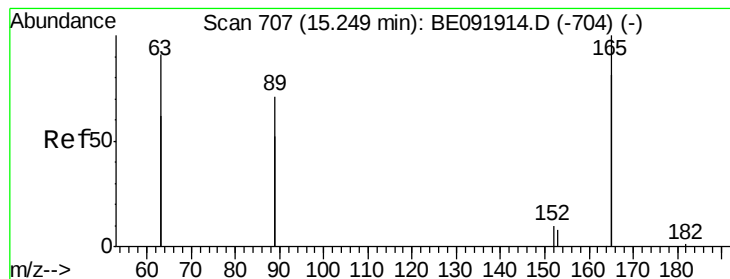


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 4.53 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

Tgt Ion:165 Resp: 93764

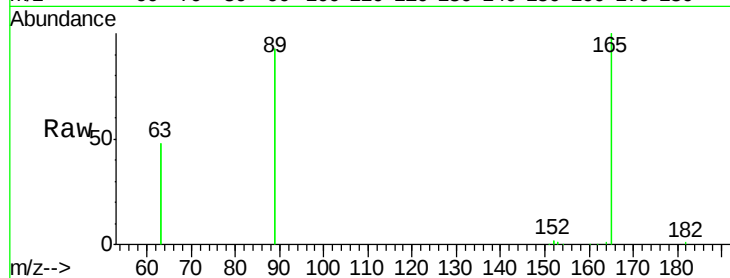
Ion Ratio Lower Upper

165 100

63 82.9 0.0 0.0#

89 105.7 99.8 149.8

182 0.5 0.0 0.0#

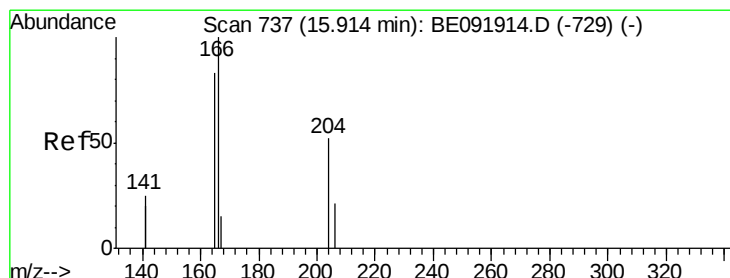
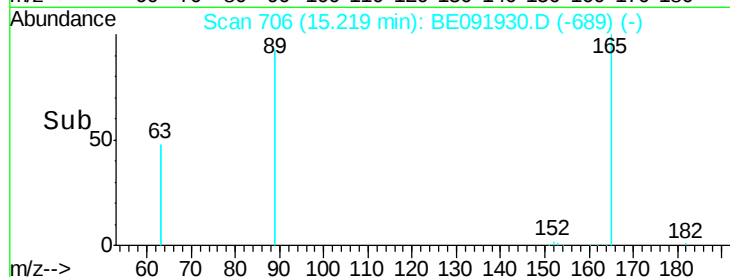
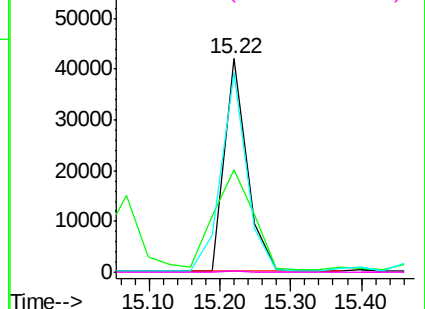


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.70 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

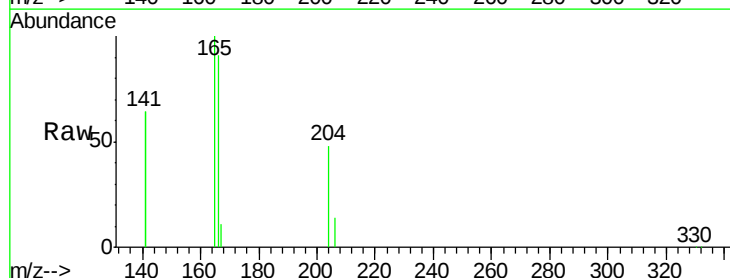
Tgt Ion:166 Resp: 106715

Ion Ratio Lower Upper

166 100

165 99.4 78.6 117.8

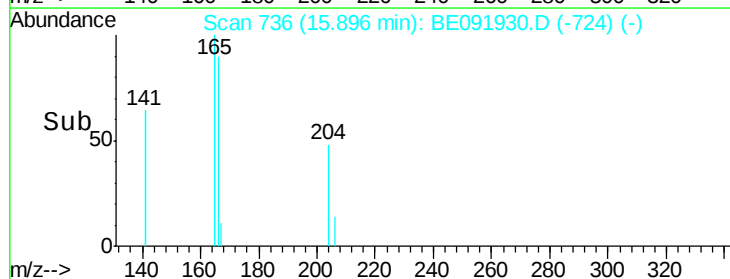
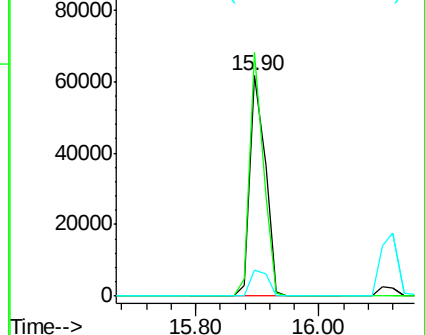
167 13.5 10.8 16.2

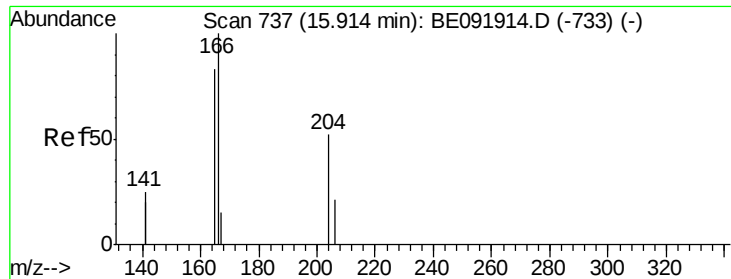


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

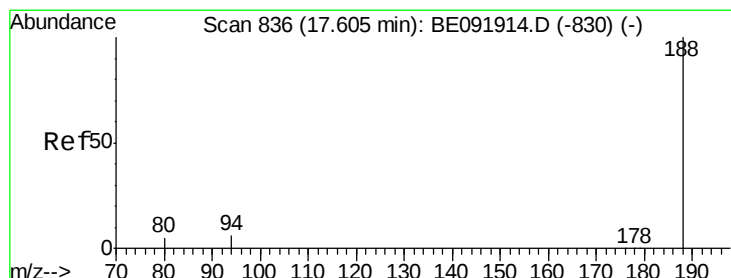
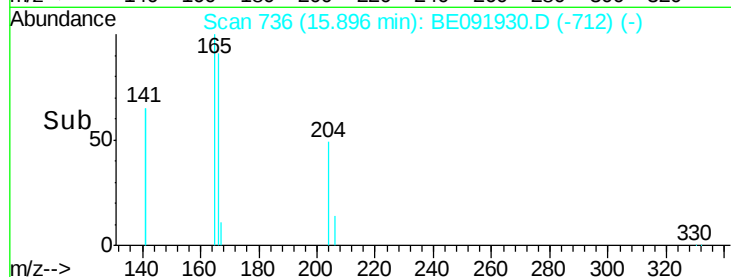
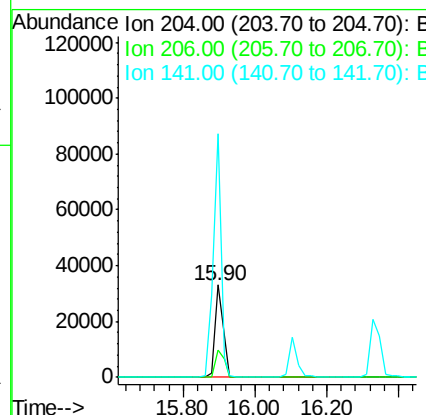
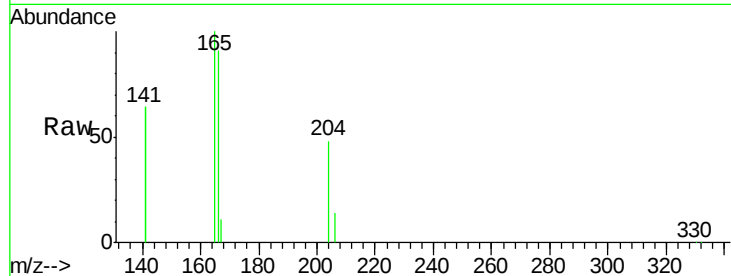




#23
 4-Chlorophenyl-phenylether
 Concen: 3.62 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

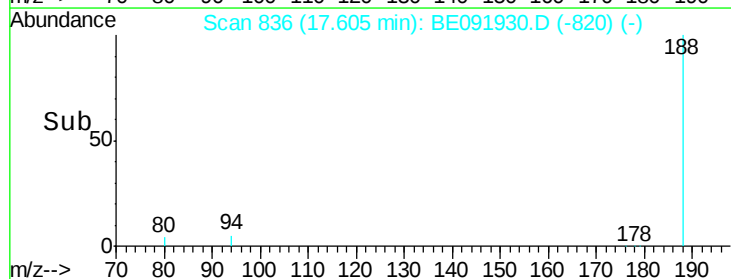
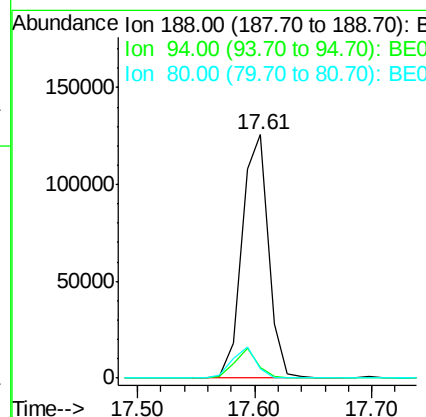
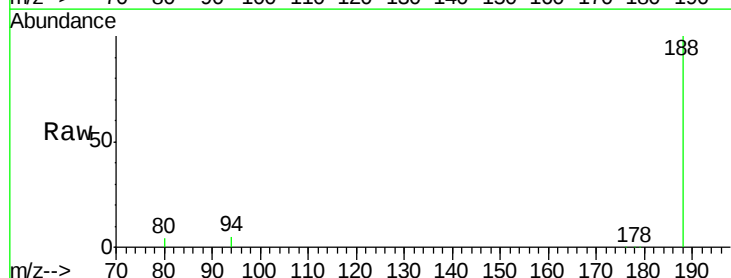
Instrument :
 BNA_E
 ClientSampleId :
 PB91250BS

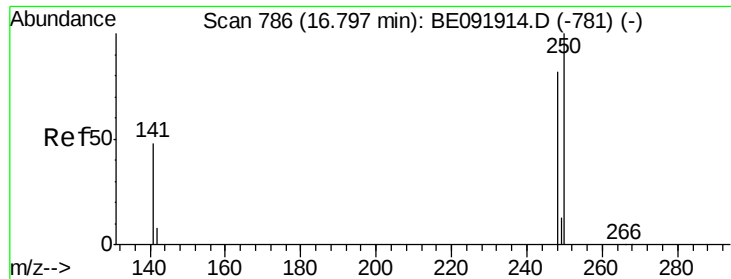
Tgt Ion: 204 Resp: 51388
 Ion Ratio Lower Upper
 204 100
 206 33.9 27.8 41.6
 141 249.6 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.61 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

Tgt Ion: 188 Resp: 197080
 Ion Ratio Lower Upper
 188 100
 94 4.6 4.1 6.1
 80 3.7 3.4 5.2

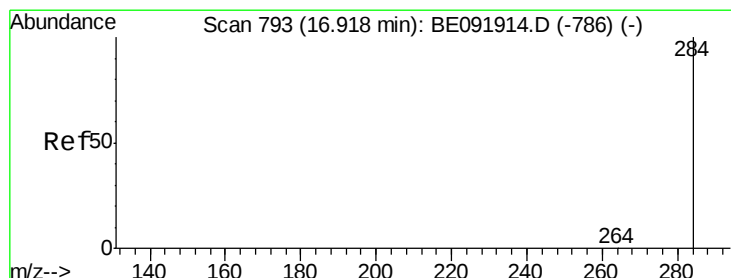
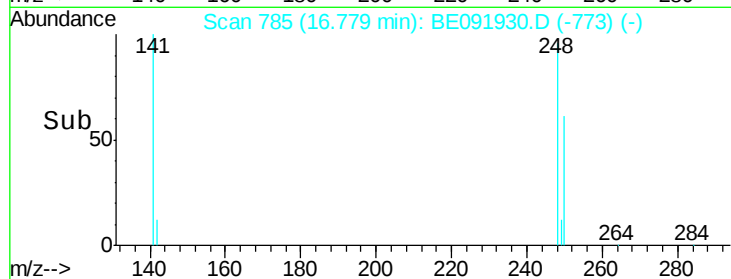
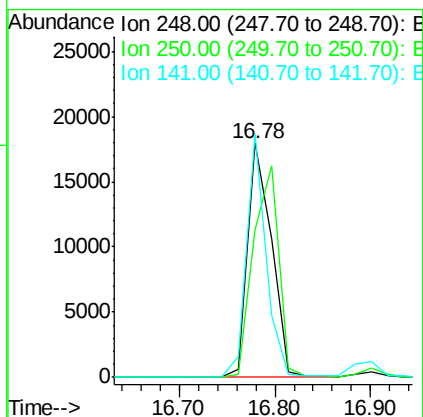
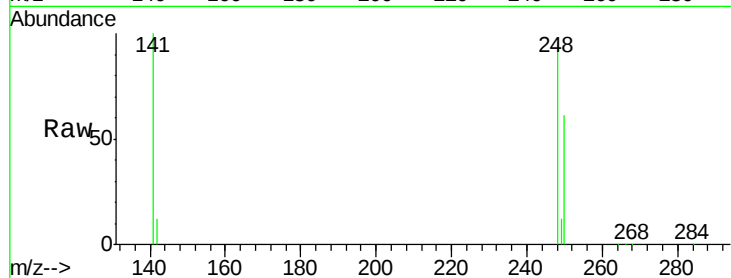




#25
4-Bromophenyl-phenylether
Concen: 4.03 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE091930.D
Acq: 15 Jun 2016 18:21

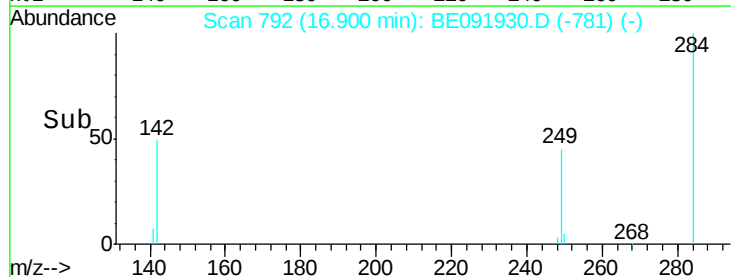
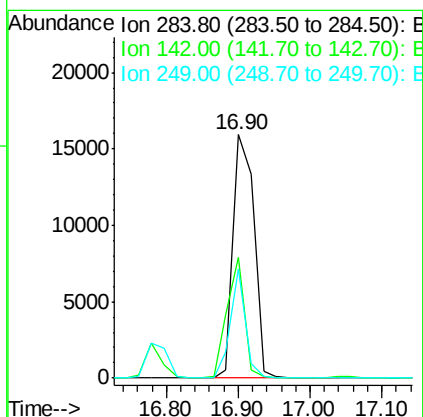
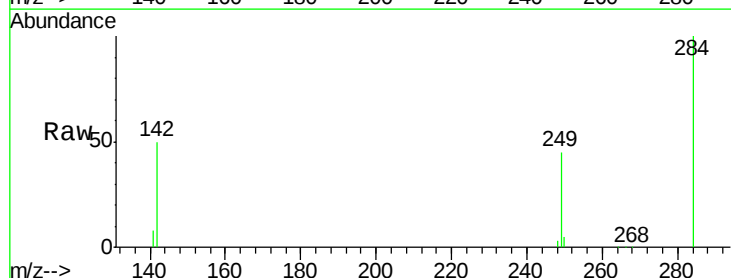
Instrument :
BNA_E
ClientSampleId :
PB91250BS

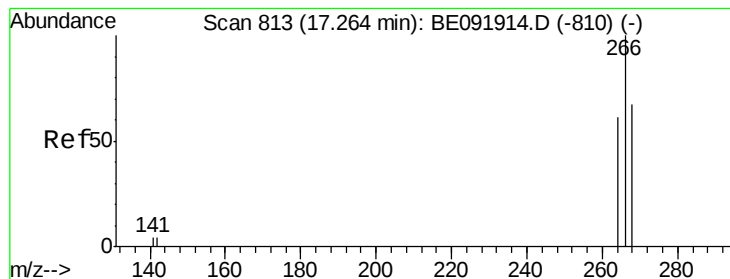
Tgt Ion:248 Resp: 30720
Ion Ratio Lower Upper
248 100
250 96.4 75.7 113.5
141 84.6 64.6 97.0



#26
Hexachlorobenzene
Concen: 4.00 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.02 min
Lab File: BE091930.D
Acq: 15 Jun 2016 18:21

Tgt Ion:284 Resp: 31307
Ion Ratio Lower Upper
284 100
142 41.3 31.4 47.2
249 32.1 25.3 37.9





#27

Pentachlorophenol

Concen: 7.05 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

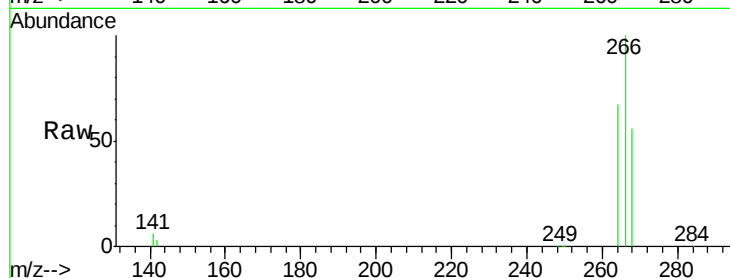
Tgt Ion:266 Resp: 30505

Ion Ratio Lower Upper

266 100

268 56.4 60.5 90.7#

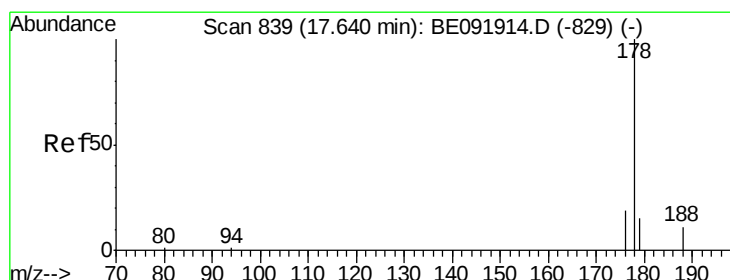
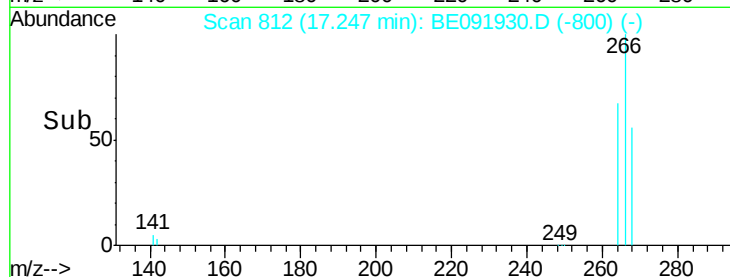
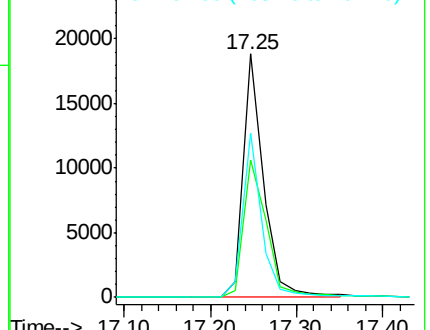
264 67.3 51.0 76.4



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



#28

Phenanthrene

Concen: 3.83 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

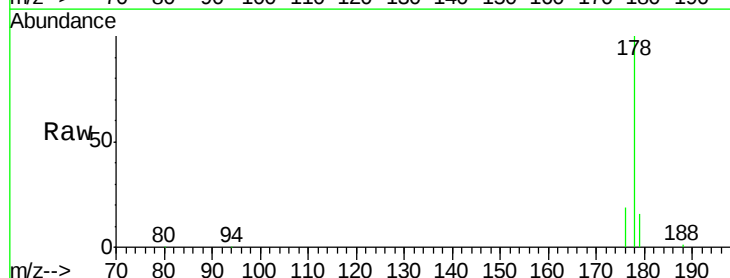
Tgt Ion:178 Resp: 188526

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

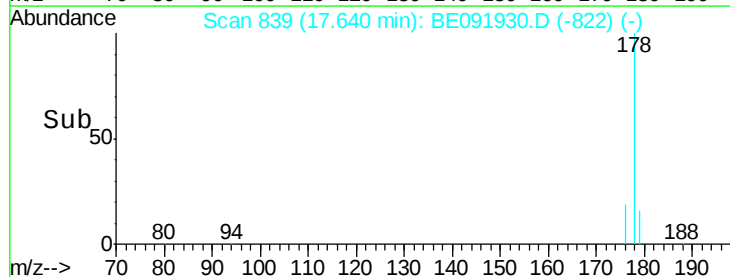
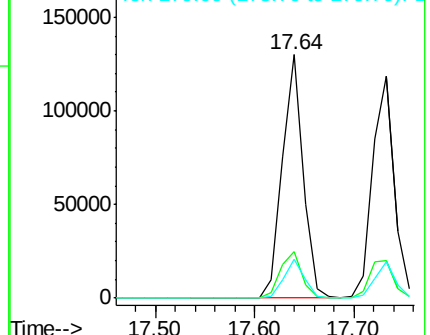
179 15.5 12.9 19.3

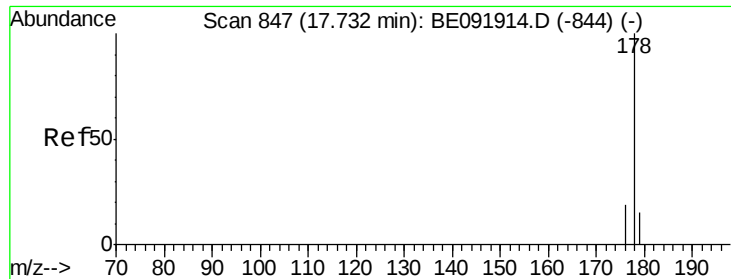


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.15 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

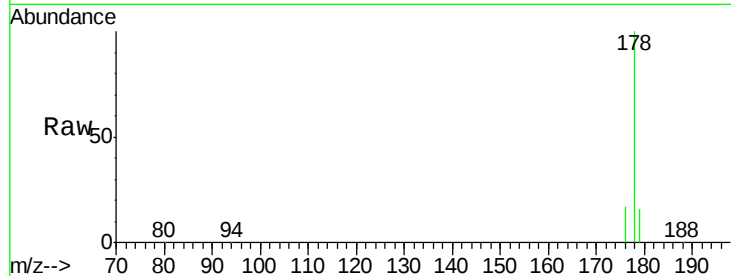
Tgt Ion:178 Resp: 181049

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

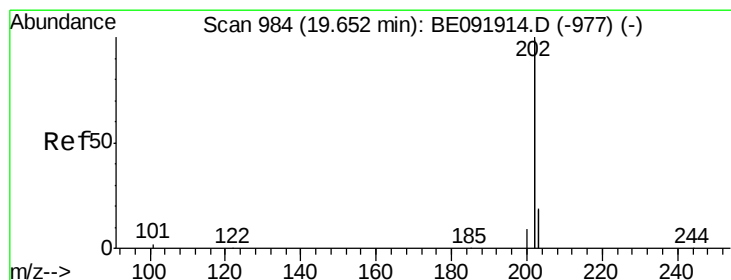
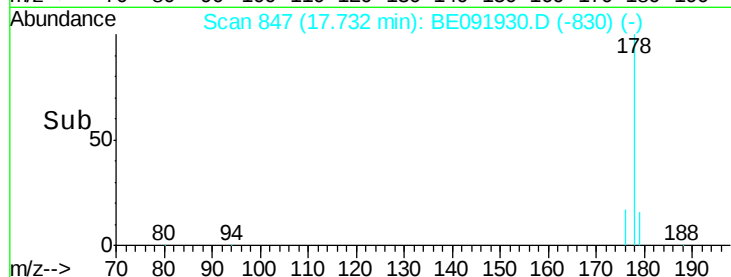
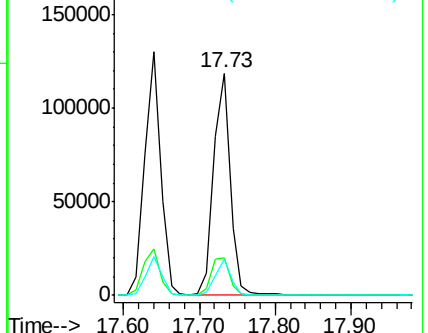
179 15.3 12.1 18.1



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



#30

Fluoranthene

Concen: 3.70 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

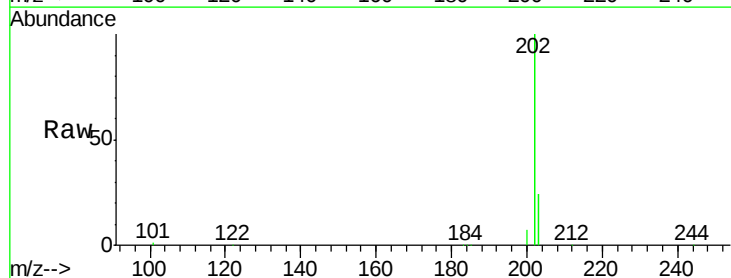
Tgt Ion:202 Resp: 779975

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

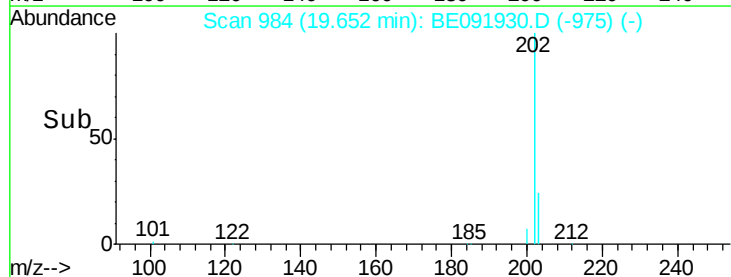
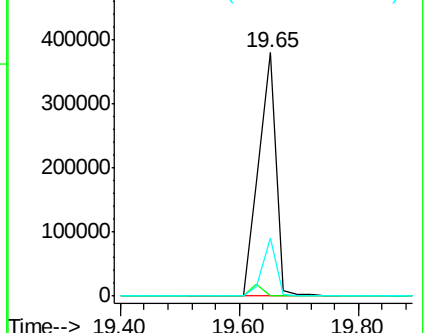
203 19.1 14.3 21.5

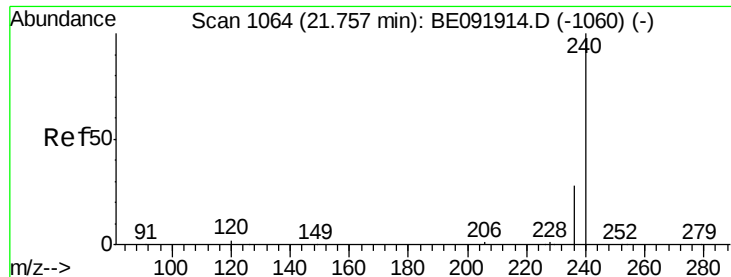


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

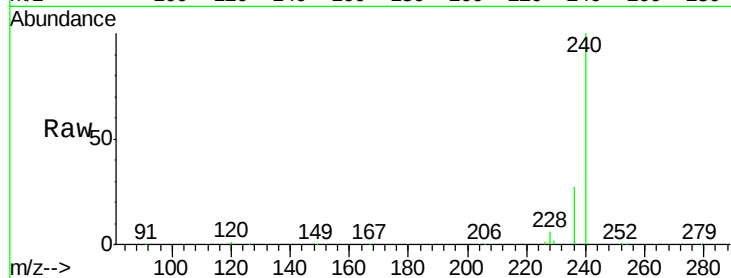
Tgt Ion:240 Resp: 336889

Ion Ratio Lower Upper

240 100

120 1.0 1.2 1.8#

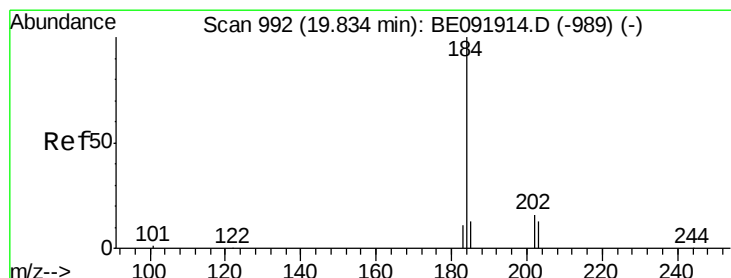
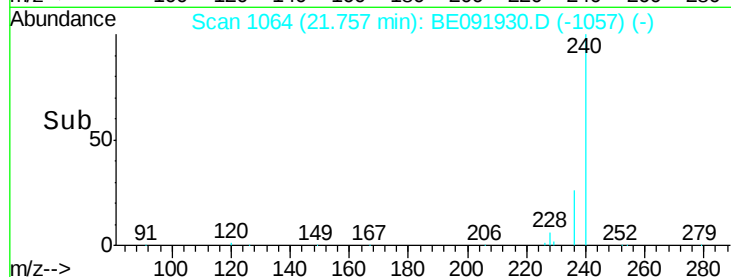
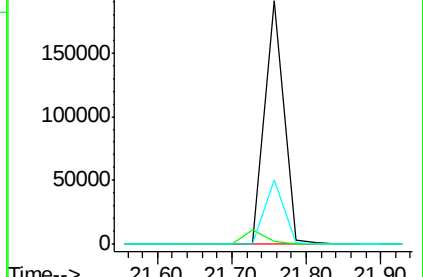
236 26.5 19.8 29.8



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: 3.20 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

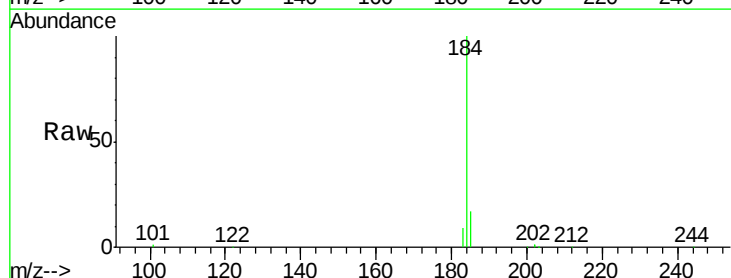
Tgt Ion:184 Resp: 63317

Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.2

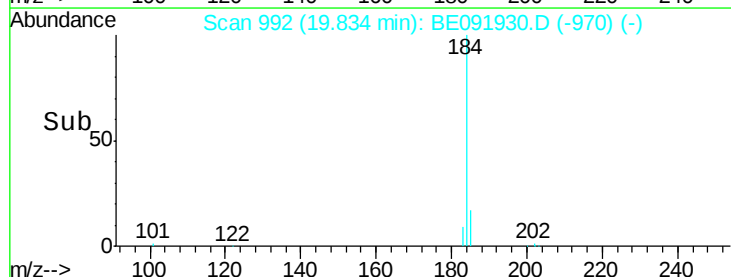
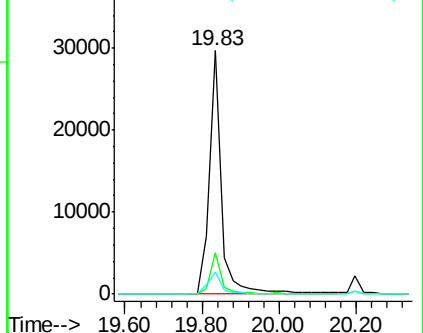
183 9.0 11.8 17.6#

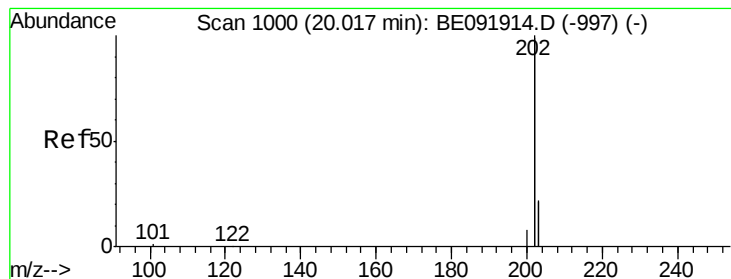


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.73 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.02 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

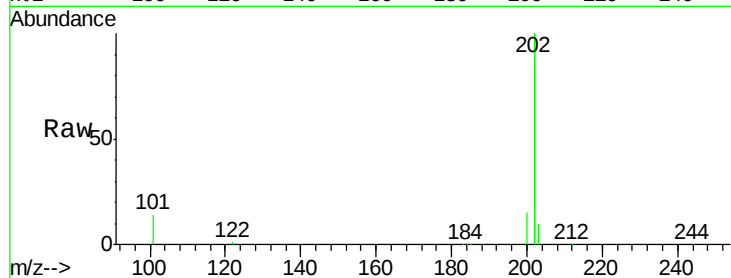
Tgt Ion: 202 Resp: 853662

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

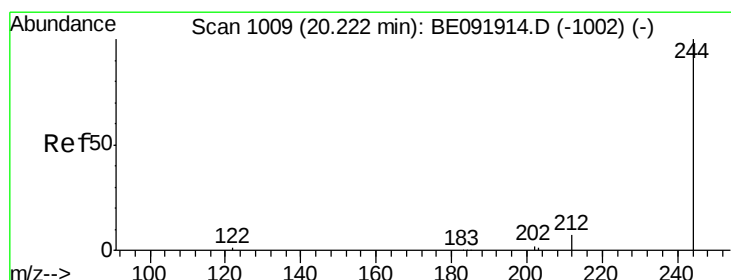
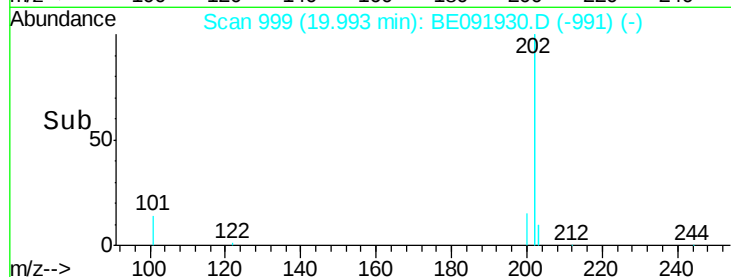
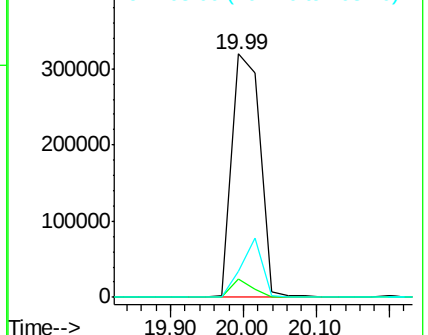
203 0.0 14.1 21.1#



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: 3.33 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

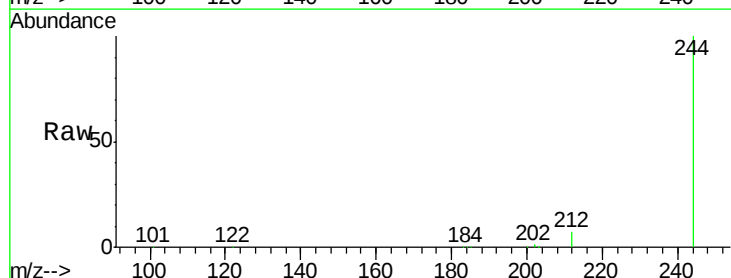
Tgt Ion: 244 Resp: 137413

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

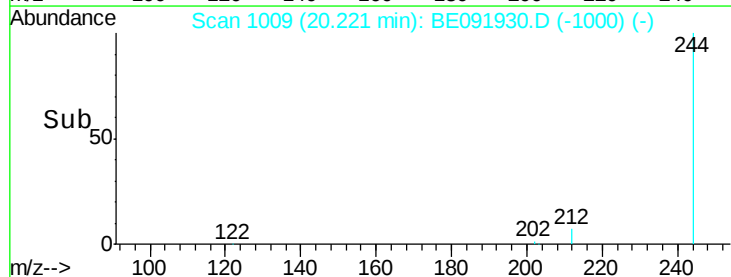
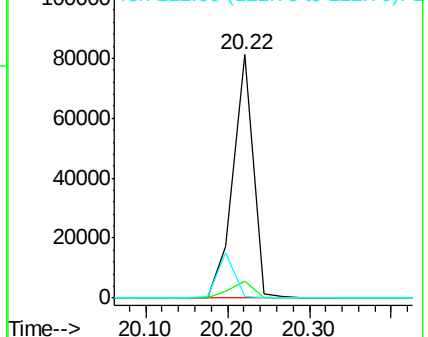
122 0.5 2.9 4.3#

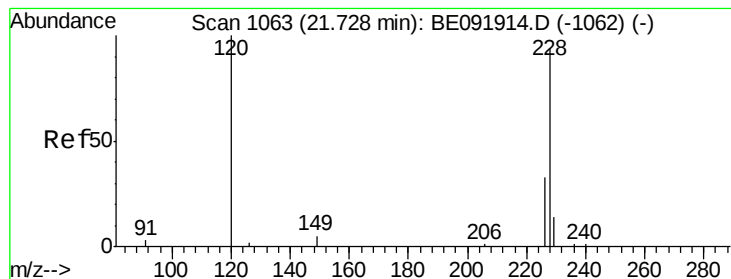


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 9.97 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

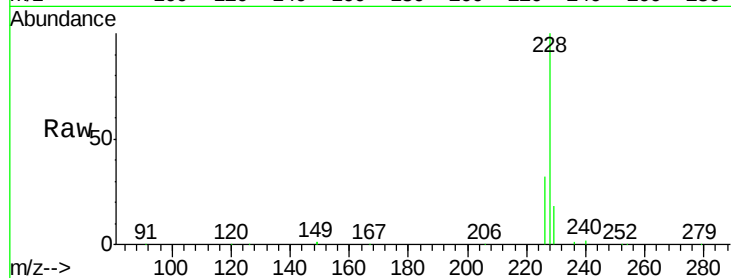
Tgt Ion:228 Resp: 527928

Ion Ratio Lower Upper

228 100

226 31.9 21.0 31.4#

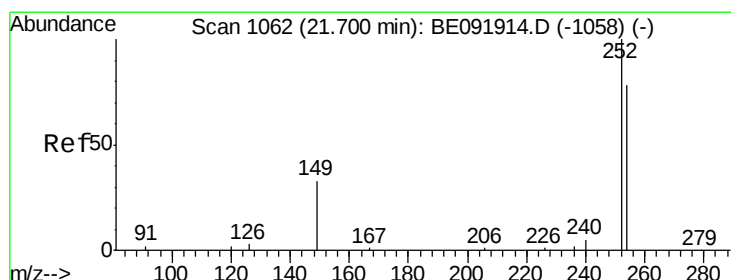
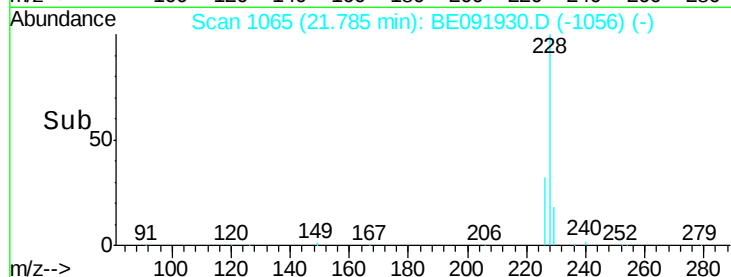
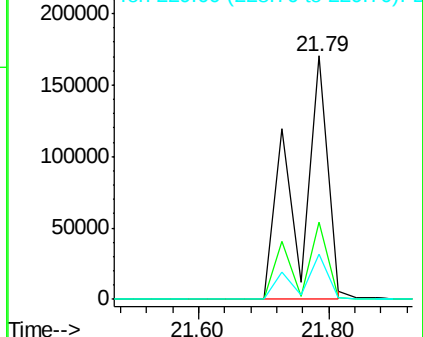
229 18.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 4.71 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

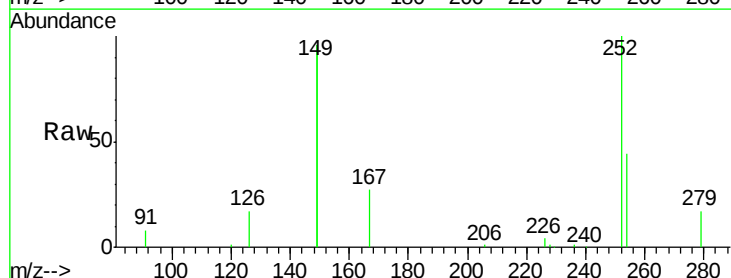
Tgt Ion:252 Resp: 40393

Ion Ratio Lower Upper

252 100

254 43.6 61.5 92.3#

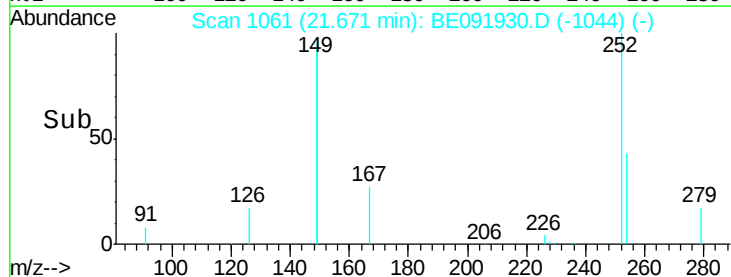
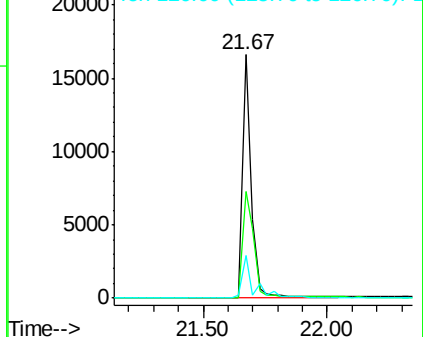
126 17.3 2.5 3.7#

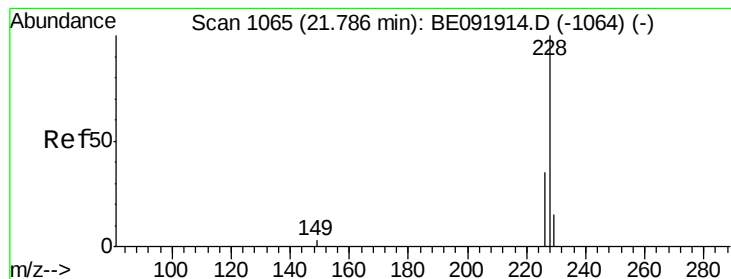


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.88 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

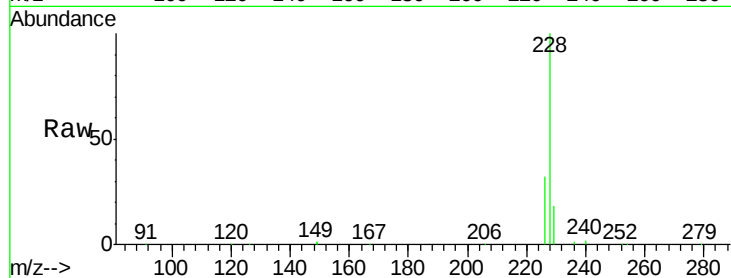
Tgt Ion:228 Resp: 531608

Ion Ratio Lower Upper

228 100

226 31.9 27.0 40.6

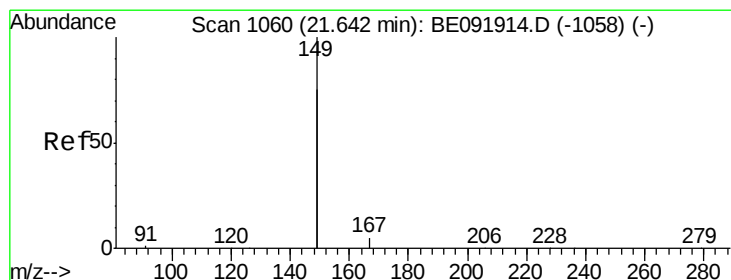
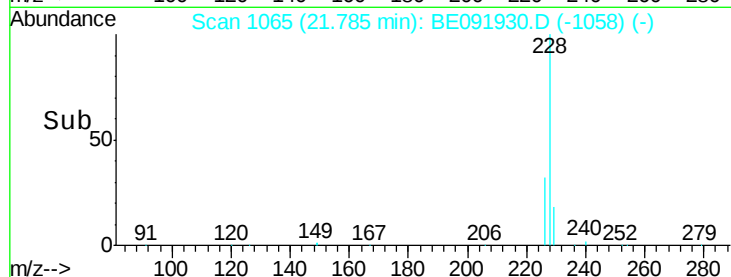
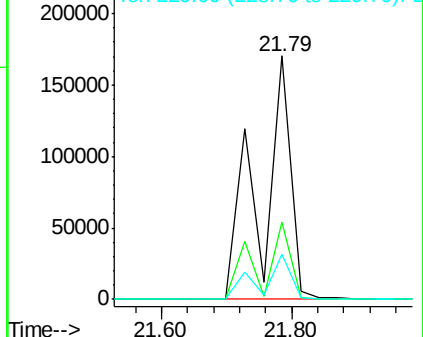
229 18.4 13.8 20.8



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: 3.82 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

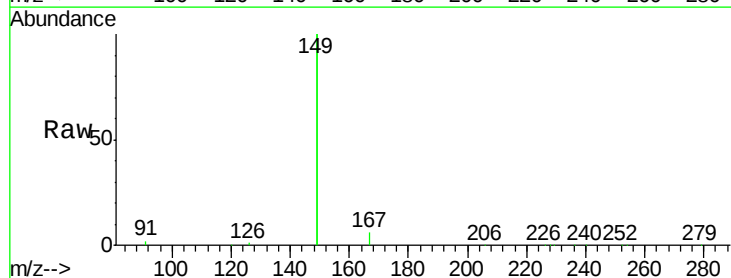
Tgt Ion:149 Resp: 181040

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

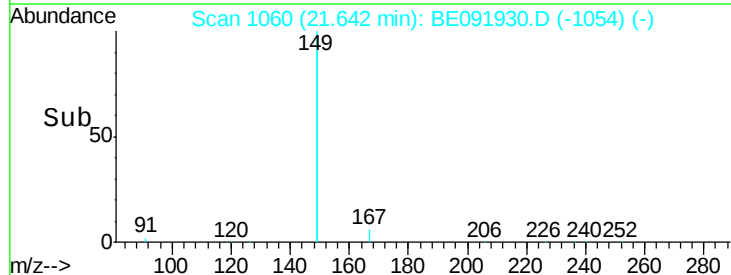
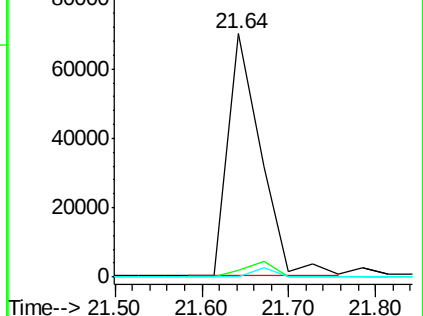
279 0.0 0.0 0.0

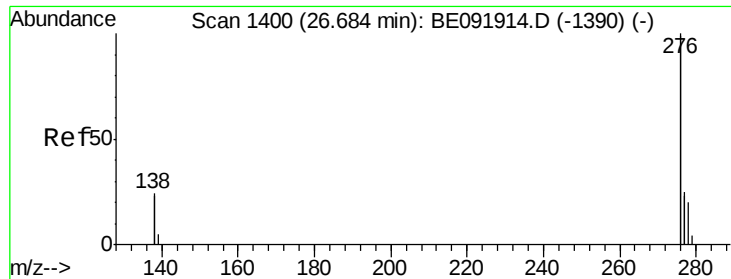


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

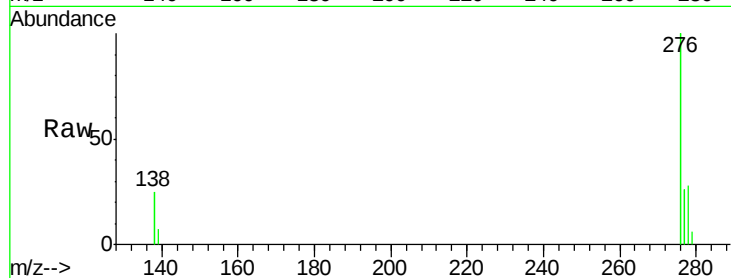




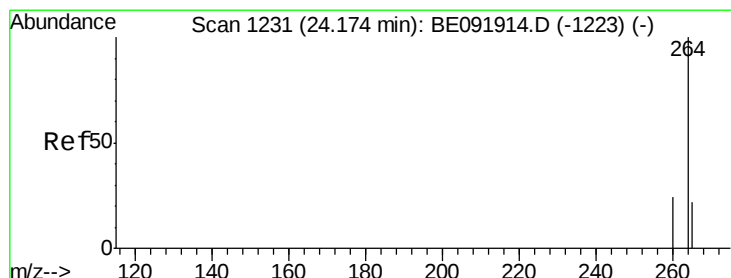
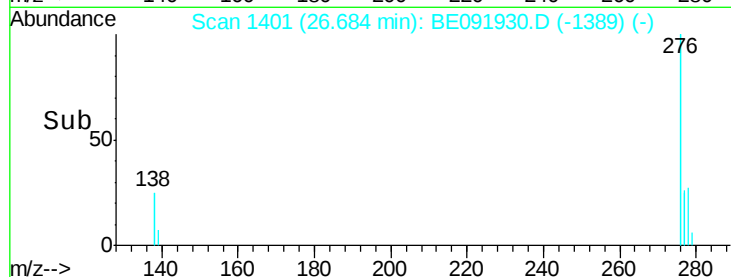
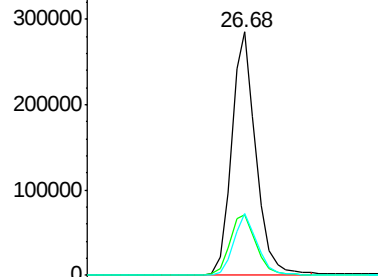
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 3.77 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

Instrument :
 BNA_E
 ClientSampleId :
 PB91250BS

Tgt Ion: 276 Resp: 996248
 Ion Ratio Lower Upper
 276 100
 138 27.0 19.7 29.5
 277 24.8 20.1 30.1

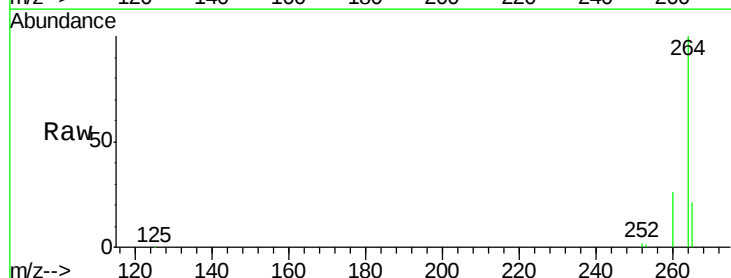


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

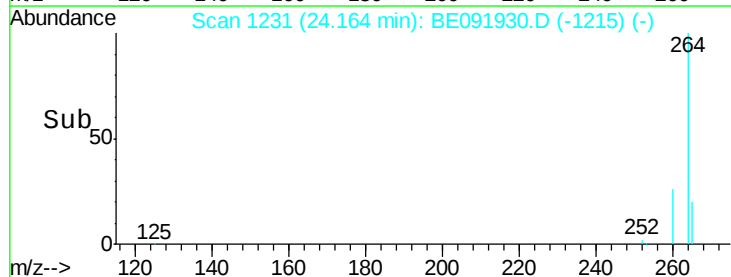
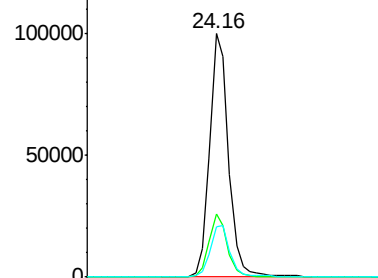


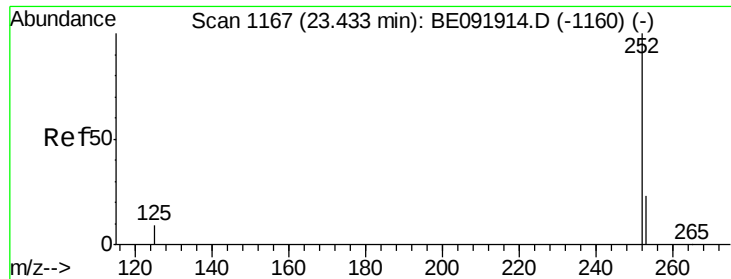
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE091930.D
 Acq: 15 Jun 2016 18:21

Tgt Ion: 264 Resp: 221588
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.3 30.5
 265 20.8 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: 4.03 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

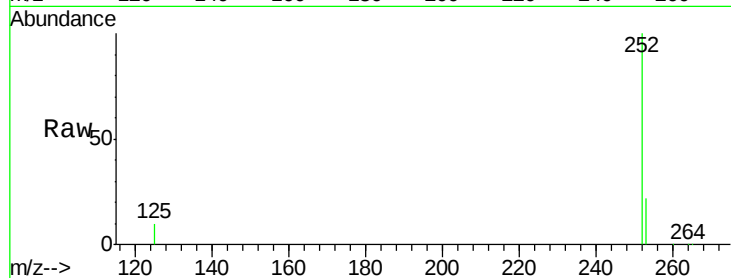
Tgt Ion:252 Resp: 229184

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

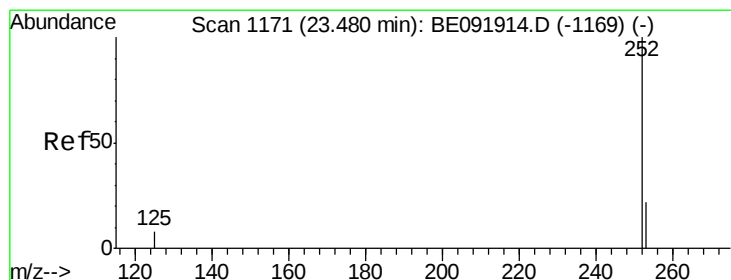
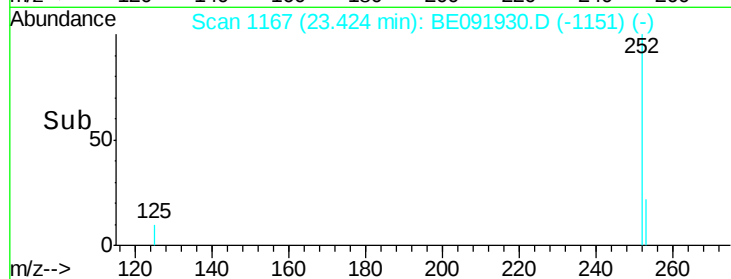
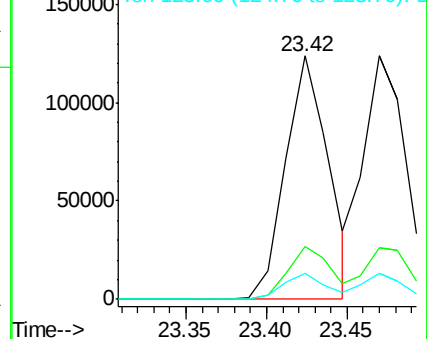
125 10.4 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 4.50 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

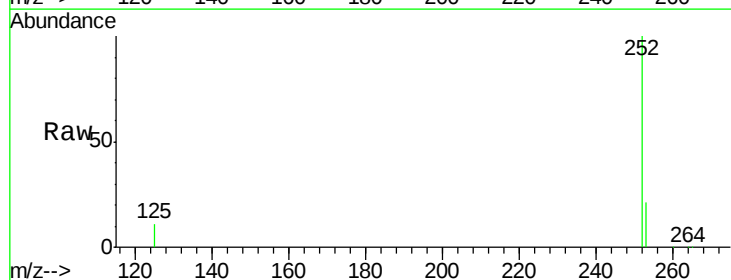
Tgt Ion:252 Resp: 234414

Ion Ratio Lower Upper

252 100

253 21.1 19.4 29.2

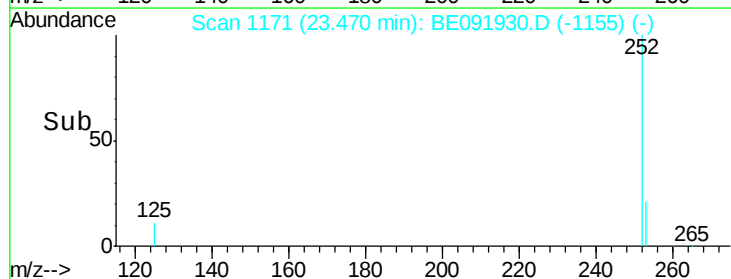
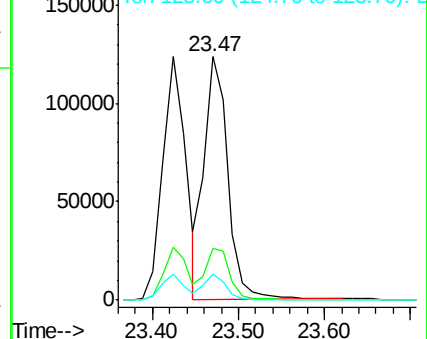
125 10.7 8.3 12.5

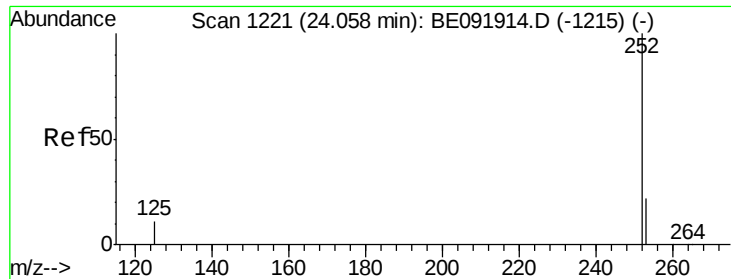


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.34 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS

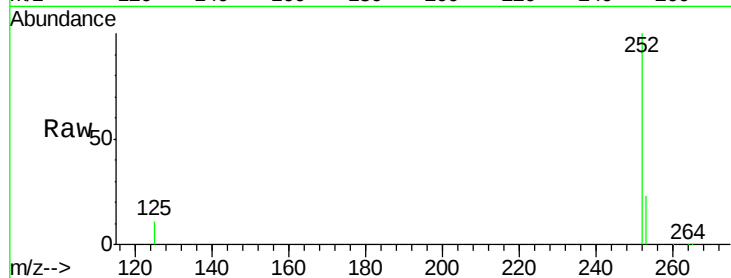
Tgt Ion: 252 Resp: 215499

Ion Ratio Lower Upper

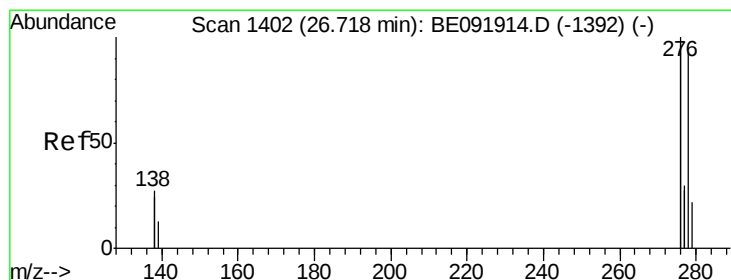
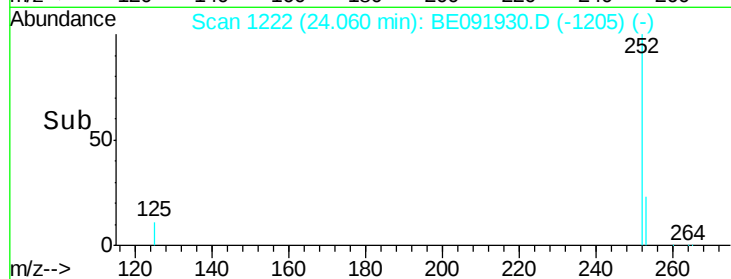
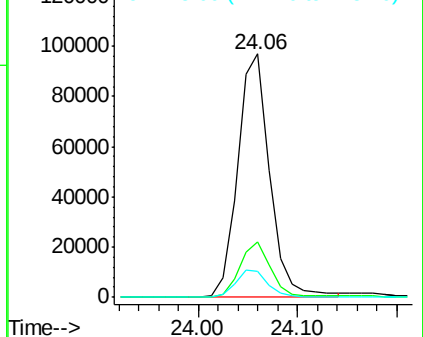
252 100

253 22.8 18.9 28.3

125 10.6 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: 4.31 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091930.D

Acq: 15 Jun 2016 18:21

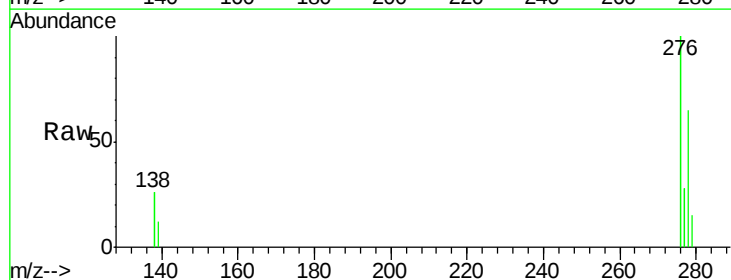
Tgt Ion: 278 Resp: 208337

Ion Ratio Lower Upper

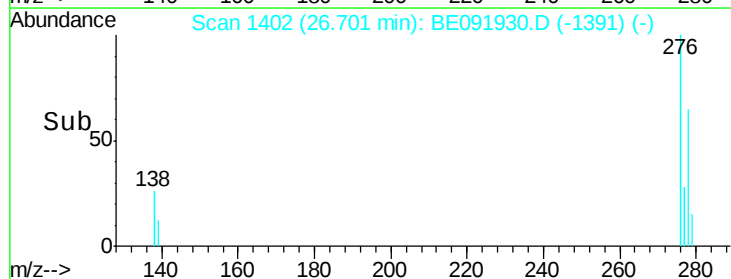
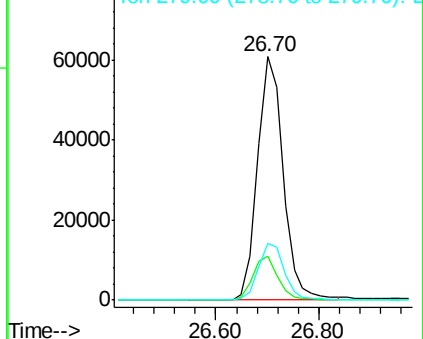
278 100

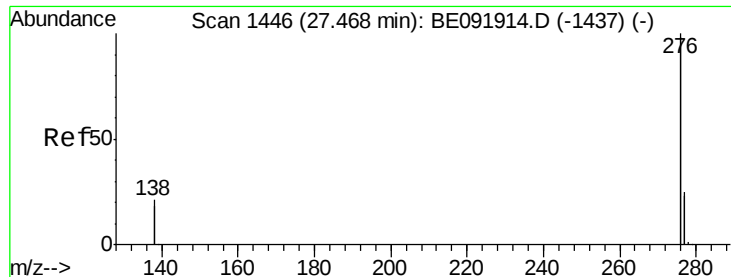
139 18.1 12.6 18.8

279 23.6 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: 4.23 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091930.D

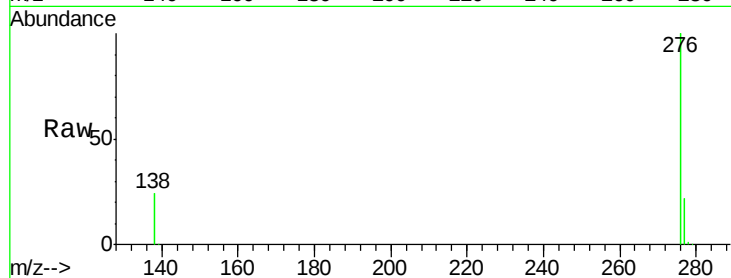
Acq: 15 Jun 2016 18:21

Instrument :

BNA_E

ClientSampleId :

PB91250BS



Tgt Ion: 276 Resp: 845393

Ion Ratio Lower Upper

276 100

277 22.3 19.5 29.3

138 23.8 17.7 26.5

