

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091928.D
 Acq On : 15 Jun 2016 17:07
 Operator : UM/SJ
 Sample : PB91035BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Quant Time: Jun 15 17:43:15 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	30979	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	128504	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	82724	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	145440	5.00	ng	0.00
31) Chrysene-d12	21.76	240	217699	5.00	ng	0.00
40) Perylene-d12	24.17	264	163135	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.74	112	39296	6.49	ng	0.02
5) Phenol-d6	7.37	99	51049	5.18	ng	0.02
9) Nitrobenzene-d5	9.37	82	29048	3.27	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	11305	5.28	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	65723	3.13	ng	0.00
34) Terphenyl-d14	20.22	244	69246	2.60	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	10010	2.29	ng	# 79
3) n-Nitrosodimethylamine	3.82	42	15329	3.09	ng	# 89
6) bis(2-Chloroethyl)ether	7.63	93	26753	3.02	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	20581	2.48	ng	# 98
10) Nitrobenzene	9.40	77	30167	3.01	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	32315	2.87	ng	# 19
12) Naphthalene	11.04	128	82399	2.94	ng	# 94
13) Hexachlorobutadiene	11.34	225	13561	2.99	ng	99
14) 2-Methylnaphthalene	12.68	142	56977	2.99	ng	98
18) Acenaphthylene	14.56	152	253730	3.02	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	46953	2.67	ng	# 38
20) Acenaphthene	14.92	154	68570	2.96	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	48083	2.96	ng	# 97
22) Fluorene	15.90	166	64633	2.81	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	31395	2.77	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	17801	3.17	ng	95
26) Hexachlorobenzene	16.90	284	18151	3.15	ng	97
27) Pentachlorophenol	17.25	266	12939	4.90	ng	# 84
28) Phenanthrene	17.64	178	107300	2.95	ng	99
29) Anthracene	17.73	178	100327	3.12	ng	100
30) Fluoranthene	19.65	202	399950	2.57	ng	# 86
32) Benzidine	19.84	184	4444	0.60	ng	97
33) Pyrene	19.99	202	436024	2.94	ng	# 63
35) Benzo(a)anthracene	21.73	228	129054	3.77	ng	# 89
36) 3,3'-Dichlorobenzidine	21.67	252	9961	1.80	ng	# 60
37) Chrysene	21.73	228	129034	2.58	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	81820	2.99	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	619687	3.63	ng	98
41) Benzo(b)fluoranthene	23.42	252	122252	2.92	ng	97
42) Benzo(k)fluoranthene	23.47	252	128826	3.36	ng	95
43) Benzo(a)pyrene	24.06	252	116246	3.18	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	131722	3.70	ng	97
45) Benzo(g,h,i)perylene	27.45	276	542121	3.69	ng	98

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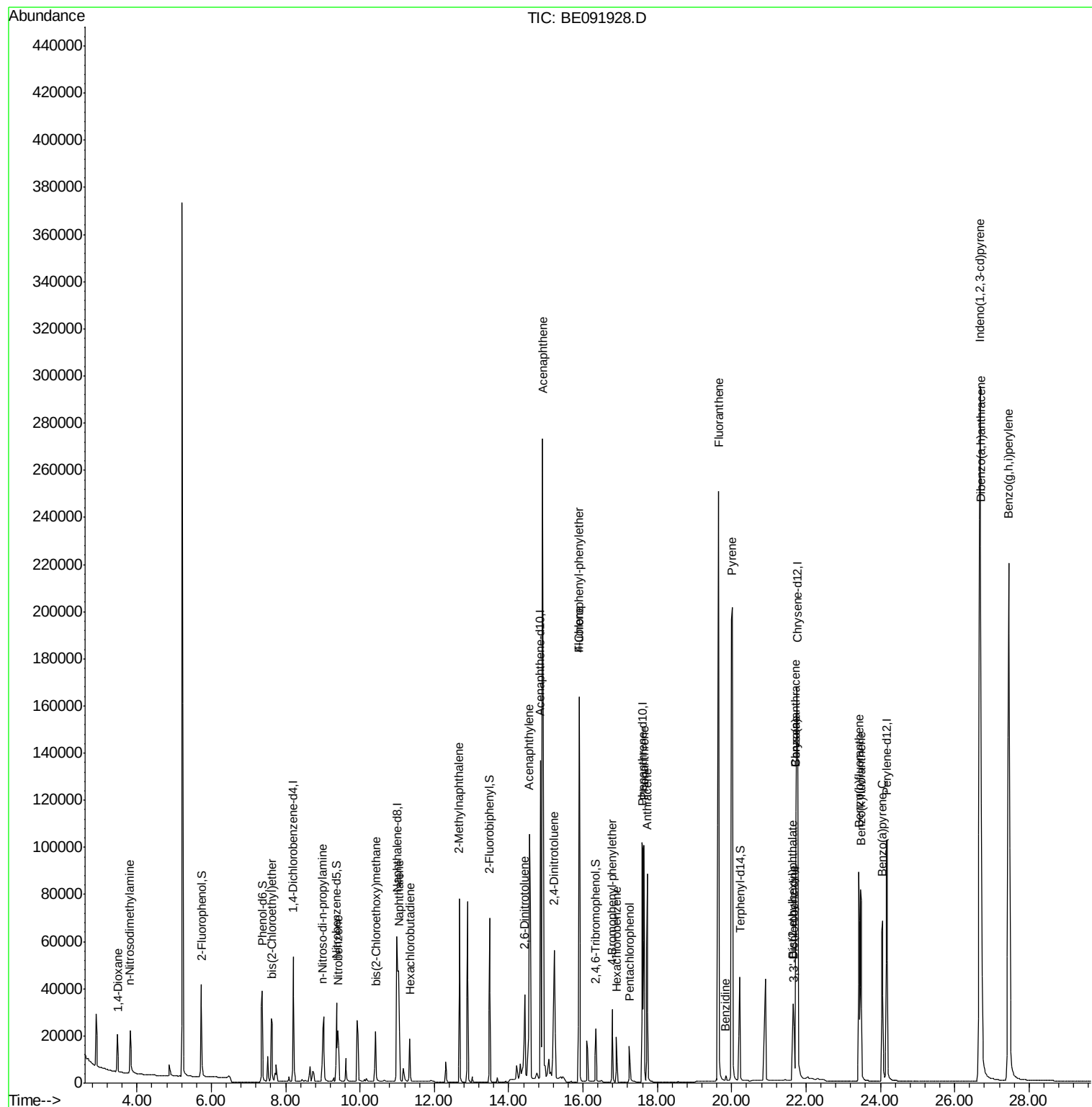
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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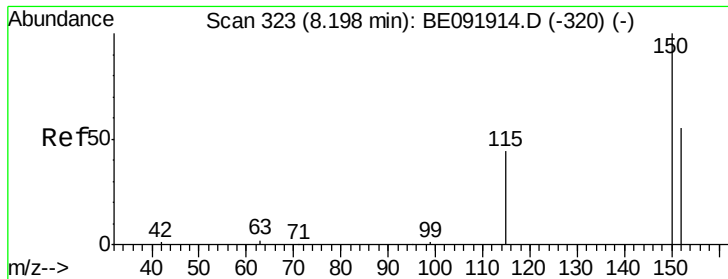
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

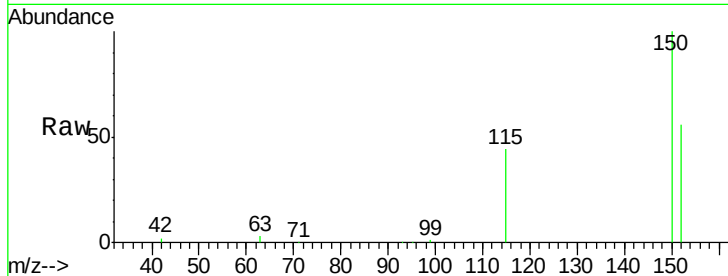
Tgt Ion:152 Resp: 30979

Ion Ratio Lower Upper

152 100

150 178.0 123.9 185.9

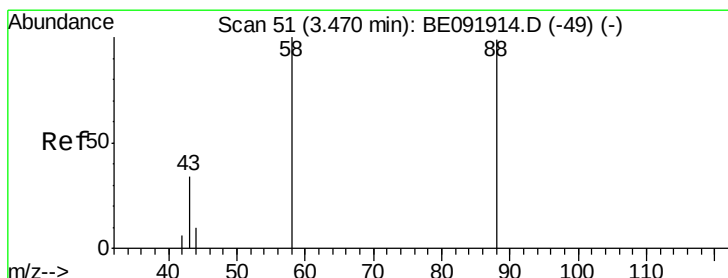
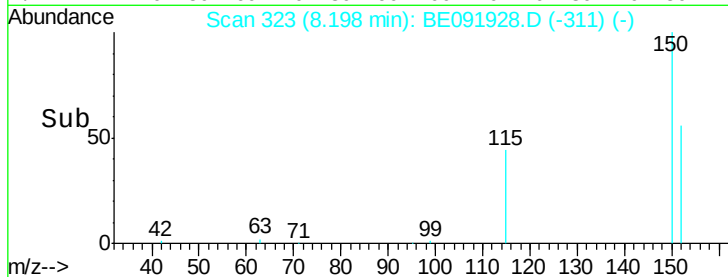
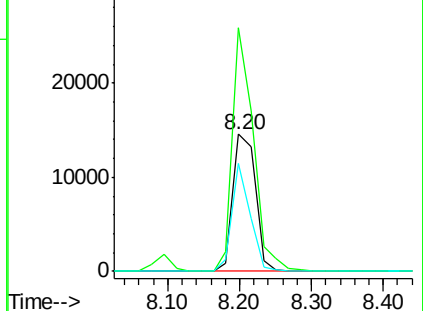
115 78.7 48.3 72.5#



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: 2.29 ng

RT: 3.49 min Scan# 52

Delta R.T. 0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

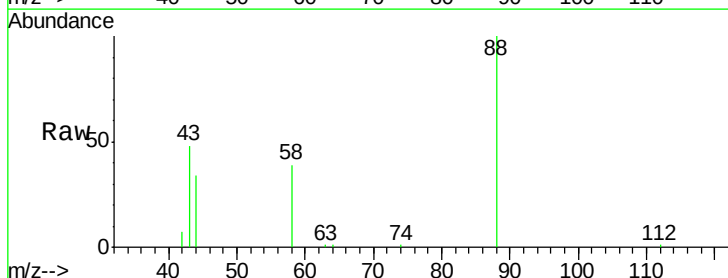
Tgt Ion: 88 Resp: 10010

Ion Ratio Lower Upper

88 100

58 96.0 63.0 94.4#

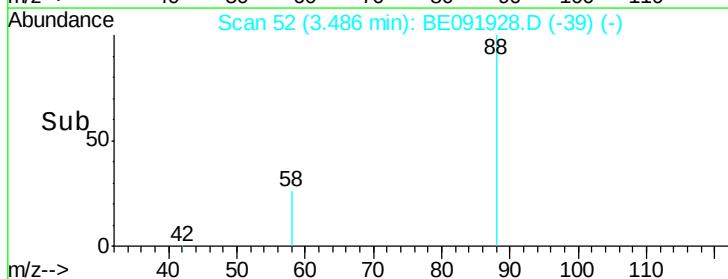
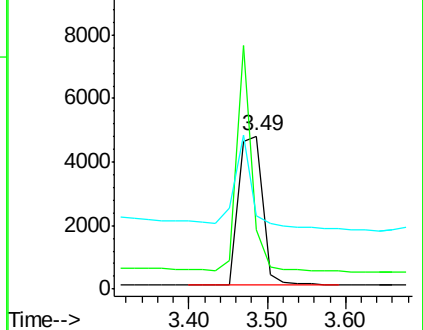
43 49.5 29.1 43.7#

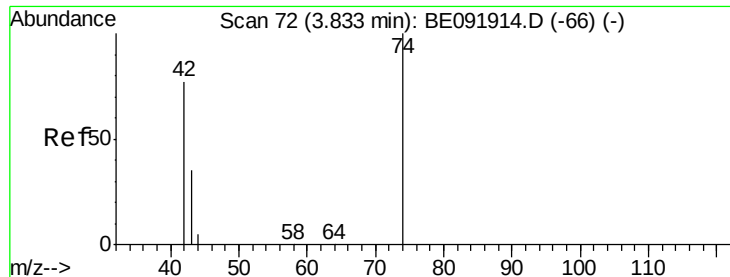


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.09 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

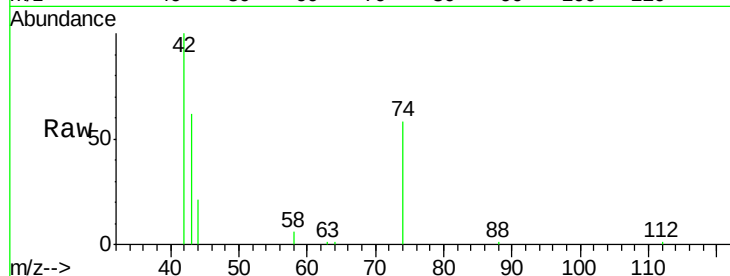
Tgt Ion: 42 Resp: 15329

Ion Ratio Lower Upper

42 100

74 104.0 93.4 140.0

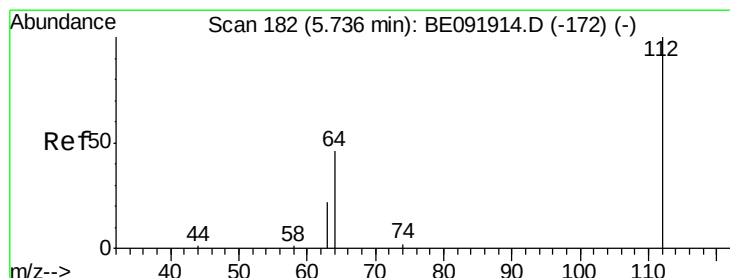
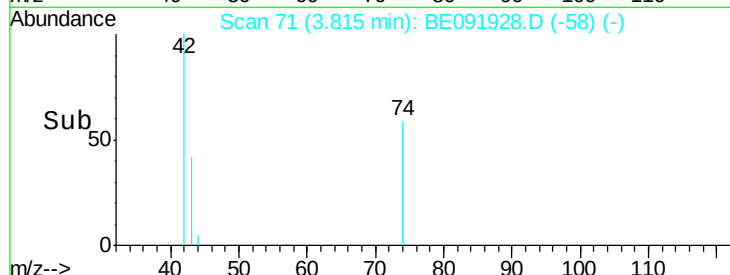
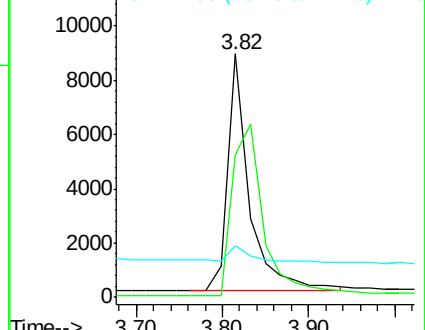
44 8.1 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.49 ng

RT: 5.74 min Scan# 182

Delta R.T. 0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

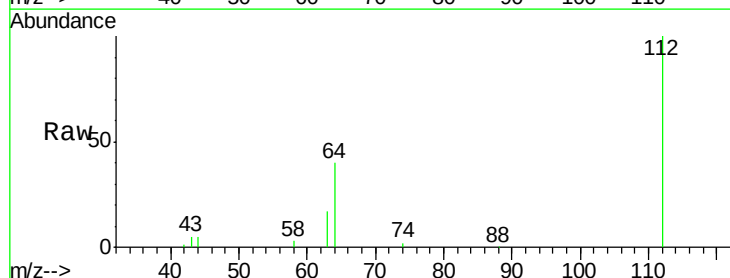
Tgt Ion: 112 Resp: 39296

Ion Ratio Lower Upper

112 100

64 68.2 53.7 80.5

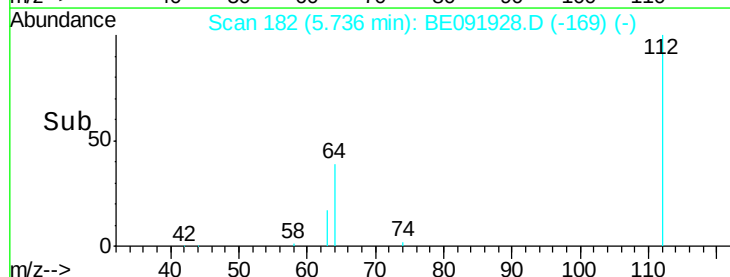
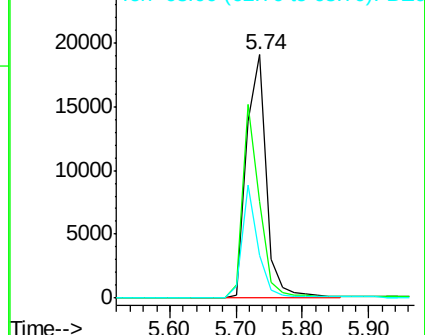
63 37.0 29.5 44.3

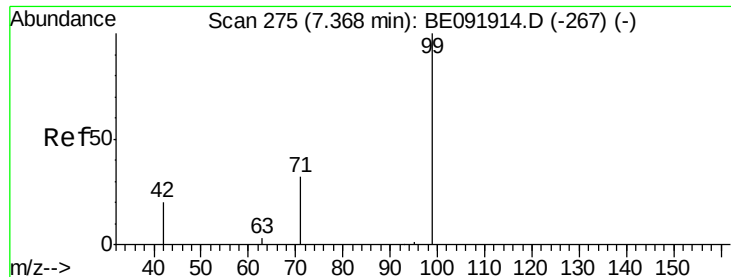


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.18 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

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ClientSampleId :

PB91035BS

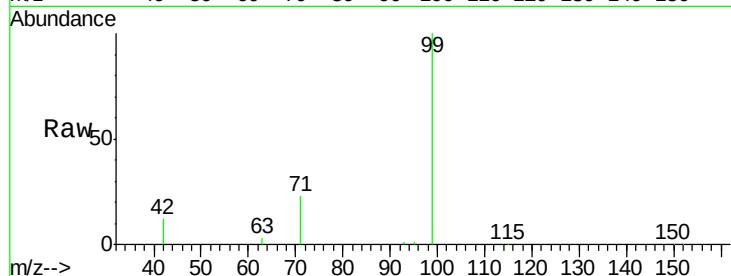
Tgt Ion: 99 Resp: 51049

Ion Ratio Lower Upper

99 100

42 26.5 19.6 29.4

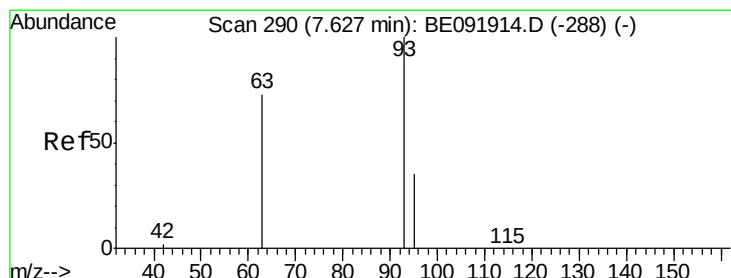
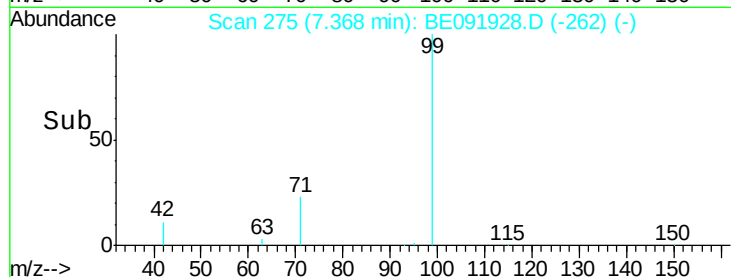
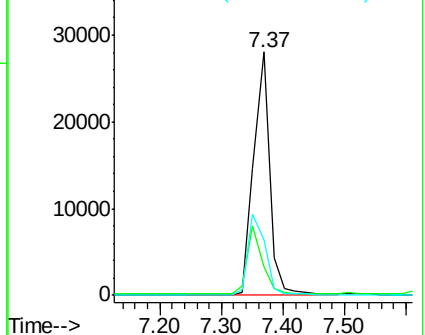
71 35.4 28.1 42.1



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: 3.02 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

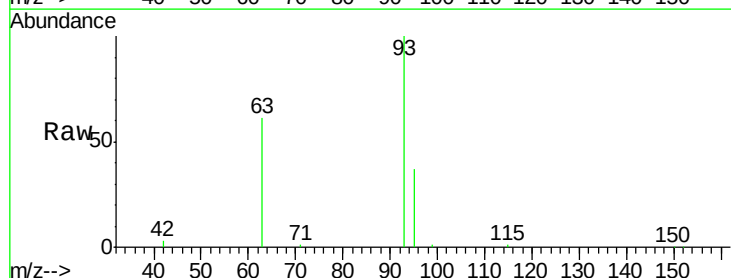
Tgt Ion: 93 Resp: 26753

Ion Ratio Lower Upper

93 100

63 87.0 66.2 99.4

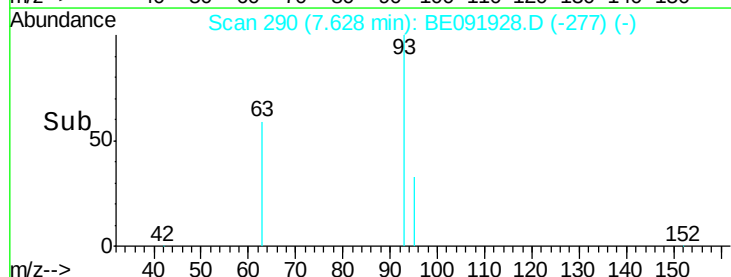
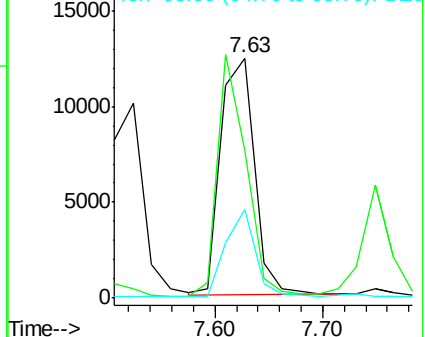
95 32.6 25.5 38.3

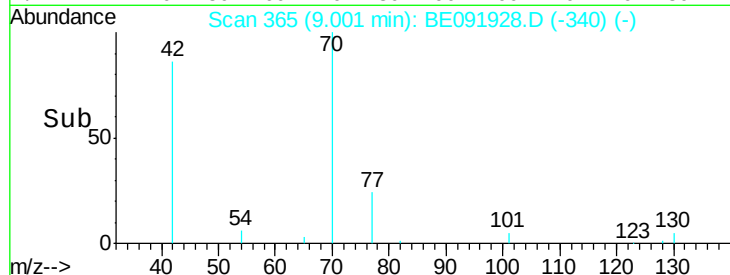
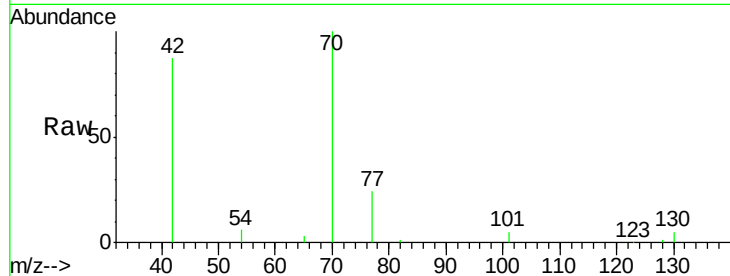
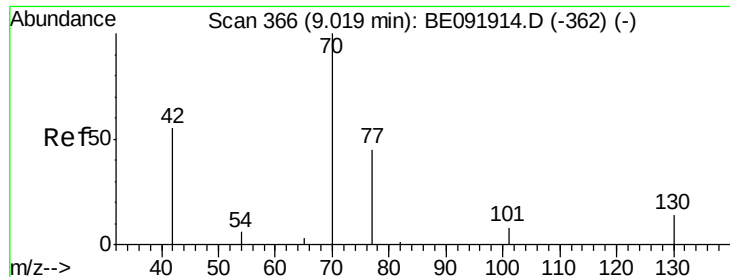


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 2.48 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

Tgt Ion: 70 Resp: 20581

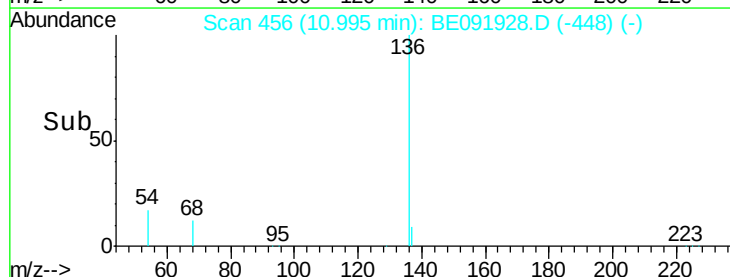
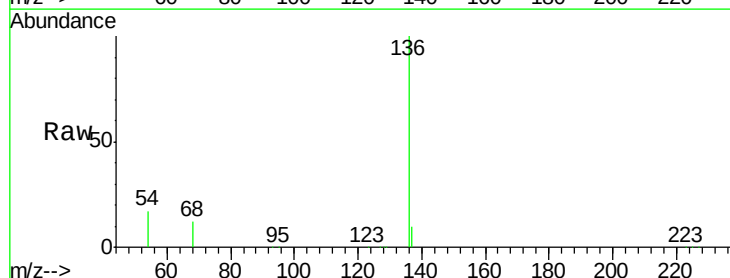
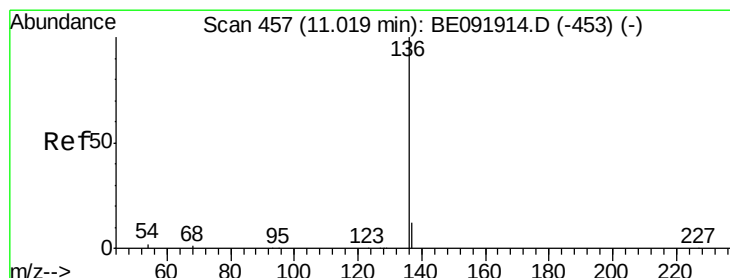
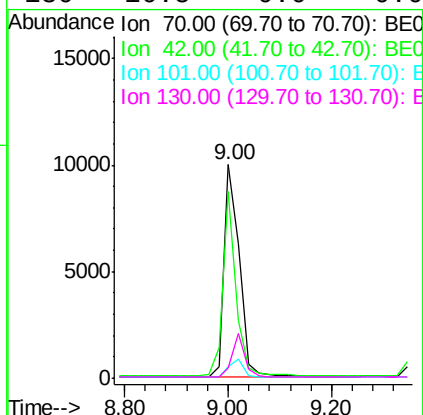
Ion Ratio Lower Upper

70 100

42 74.7 58.4 87.6

101 8.2 6.4 9.6

130 16.5 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: BE091928.D

Acq: 15 Jun 2016 17:07

Tgt Ion: 136 Resp: 128504

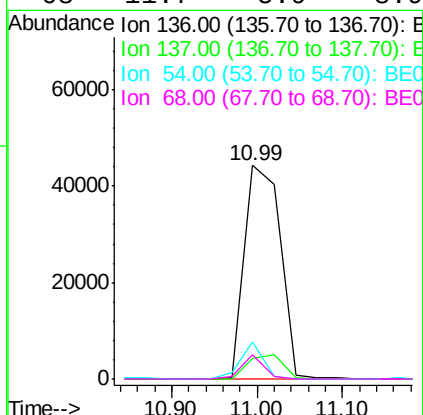
Ion Ratio Lower Upper

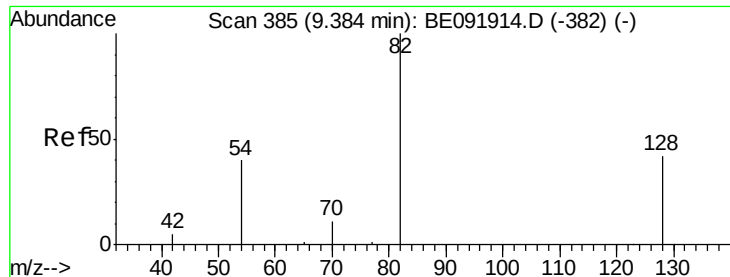
136 100

137 9.6 8.3 12.5

54 17.2 8.2 12.4#

68 11.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.27 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

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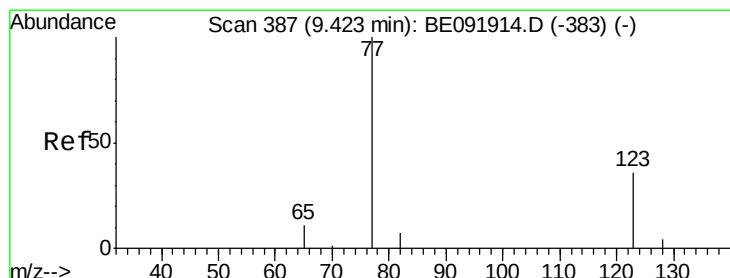
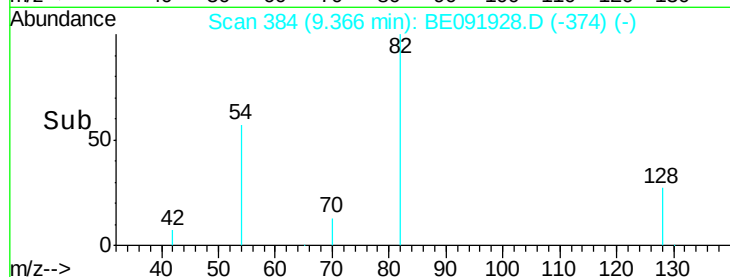
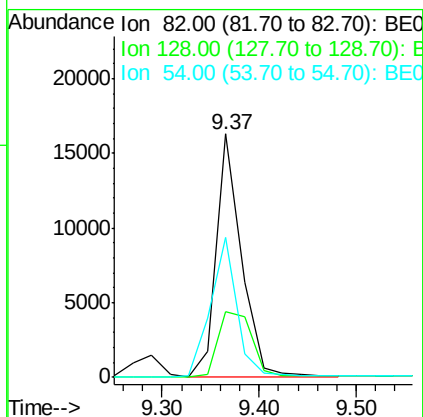
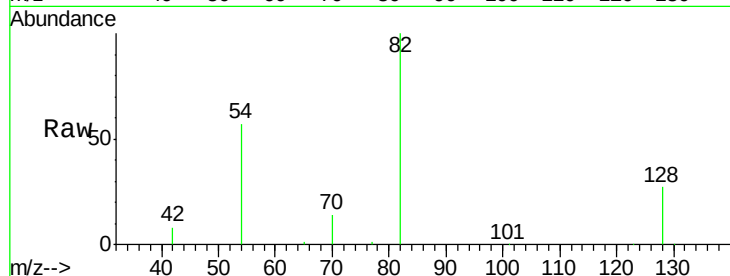
Tgt Ion: 82 Resp: 29048

Ion Ratio Lower Upper

82 100

128 27.2 39.5 59.3#

54 57.5 30.3 45.5#



#10

Nitrobenzene

Concen: 3.01 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

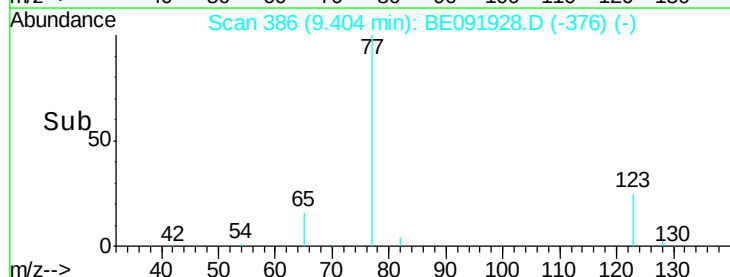
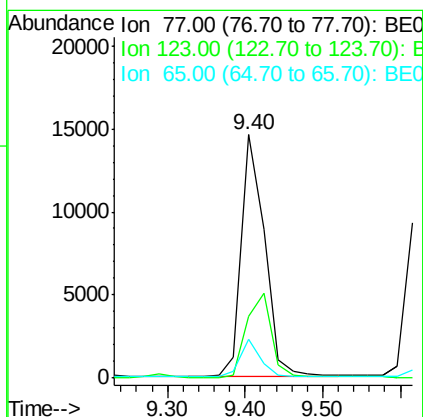
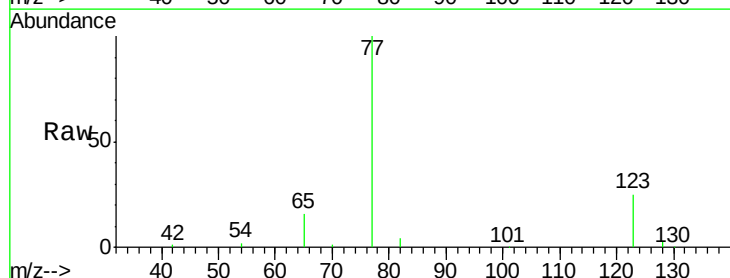
Tgt Ion: 77 Resp: 30167

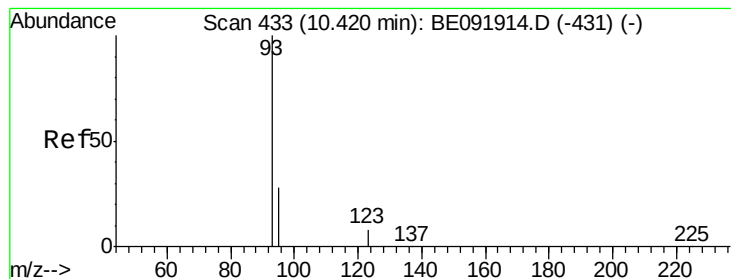
Ion Ratio Lower Upper

77 100

123 37.7 0.0 0.0#

65 13.9 11.1 16.7





#11

bis(2-Chloroethoxy)methane

Concen: 2.87 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

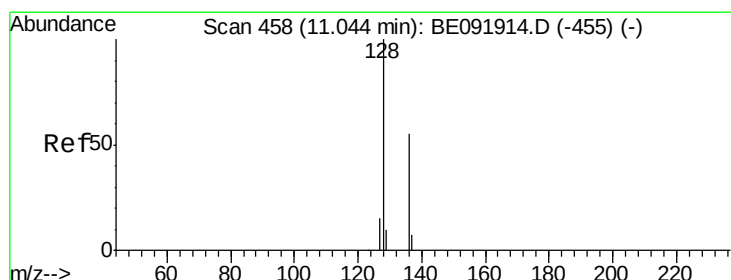
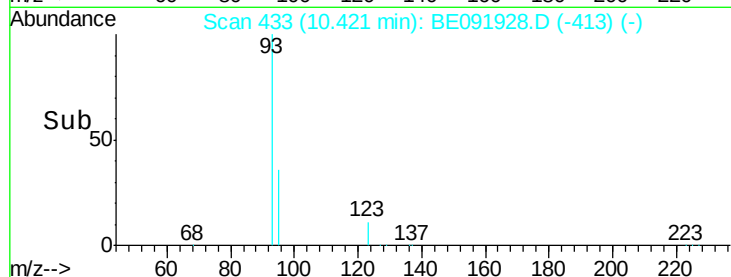
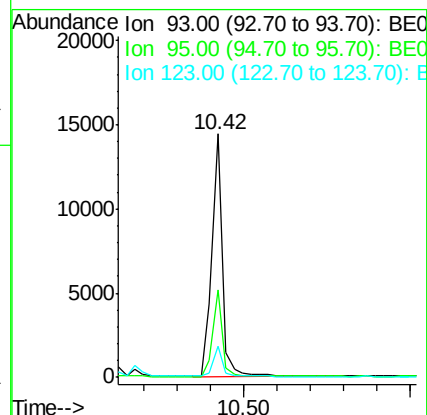
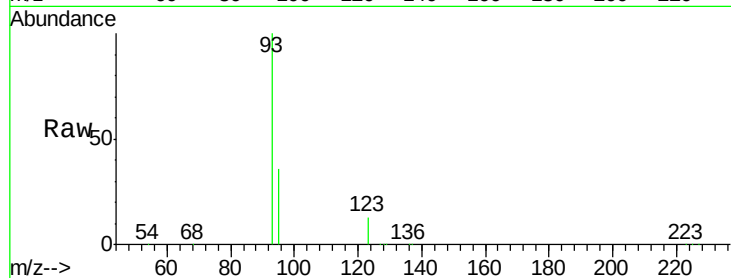
Tgt Ion: 93 Resp: 32315

Ion Ratio Lower Upper

93 100

95 32.8 57.6 86.4#

123 11.0 100.2 150.4#



#12

Naphthalene

Concen: 2.94 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

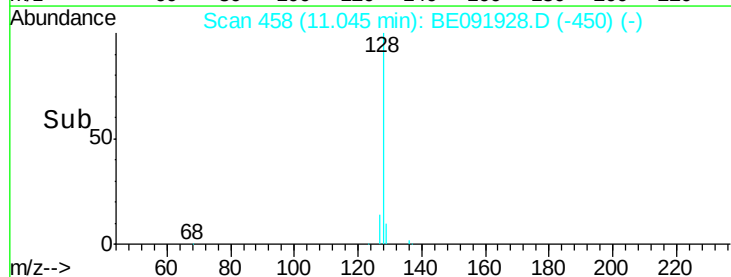
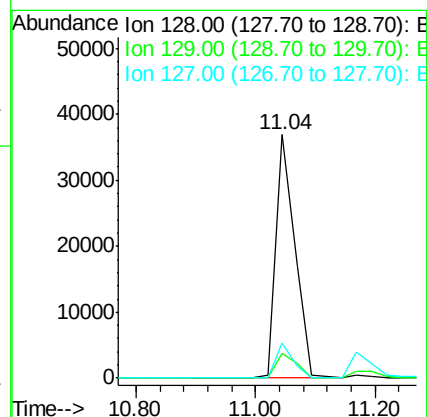
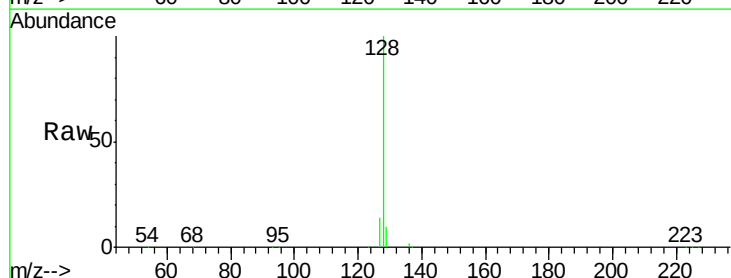
Tgt Ion: 128 Resp: 82399

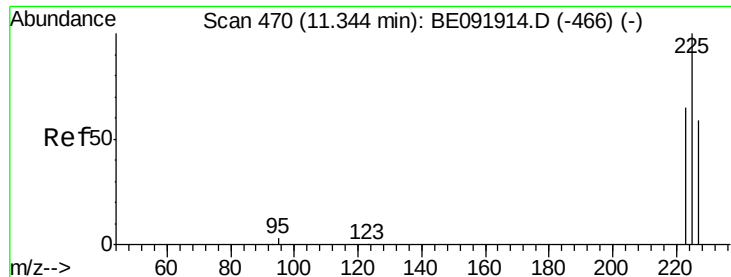
Ion Ratio Lower Upper

128 100

129 10.0 10.4 15.6#

127 14.5 10.2 15.2

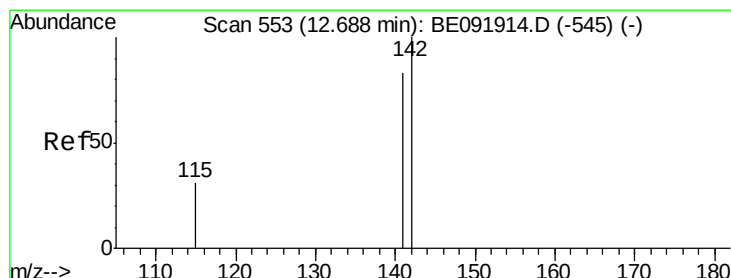
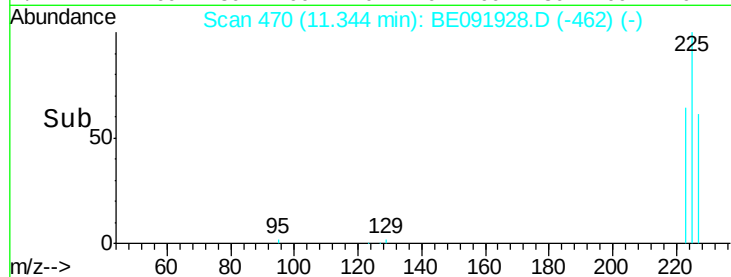
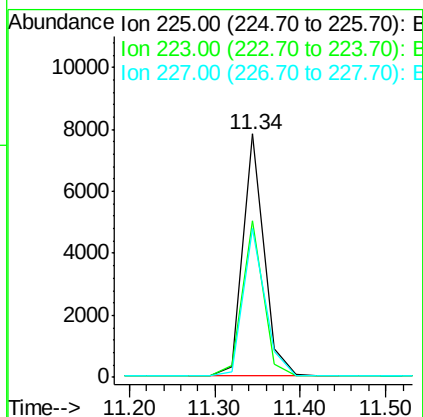
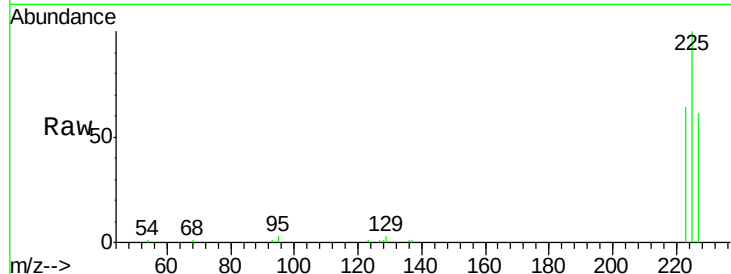




#13
Hexachlorobutadiene
Concen: 2.99 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

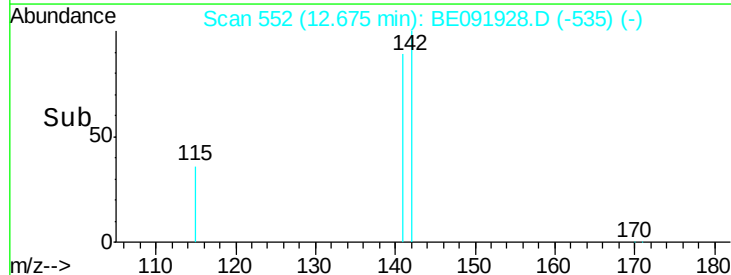
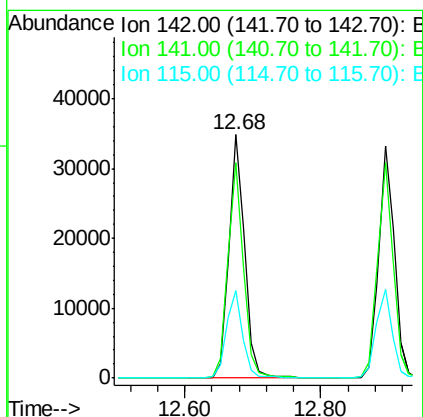
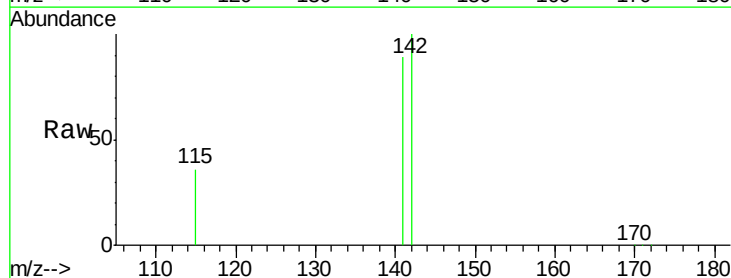
Instrument :
BNA_E
ClientSampleId :
PB91035BS

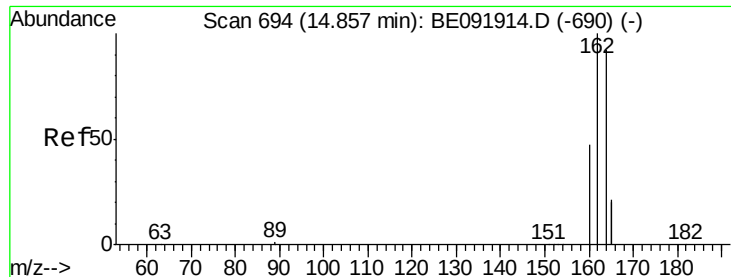
Tgt Ion: 225 Resp: 13561
Ion Ratio Lower Upper
225 100
223 63.2 49.8 74.8
227 63.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 2.99 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.00 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

Tgt Ion: 142 Resp: 56977
Ion Ratio Lower Upper
142 100
141 88.5 71.9 107.9
115 35.9 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

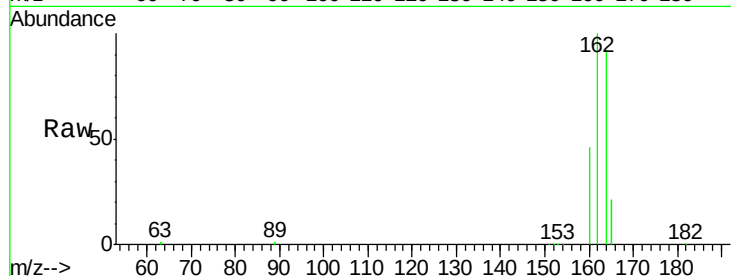
Tgt Ion:164 Resp: 82724

Ion Ratio Lower Upper

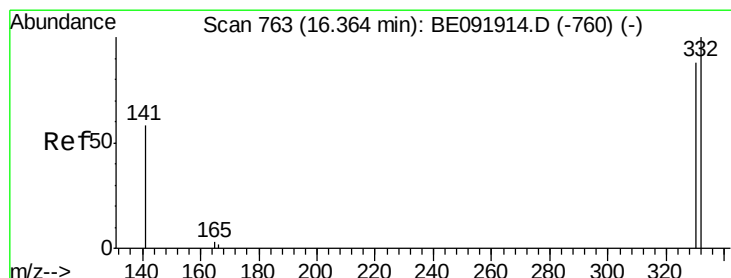
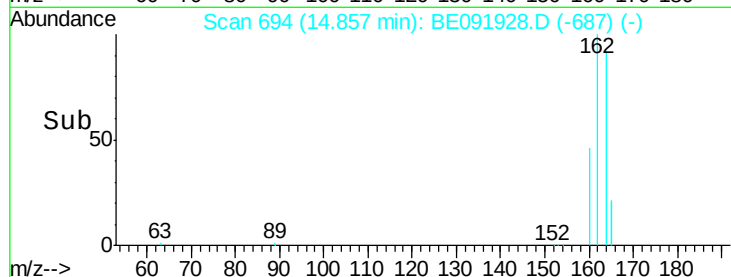
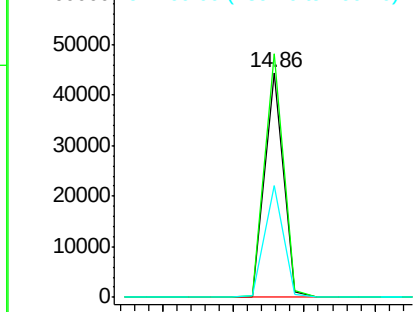
164 100

162 108.4 71.8 107.8#

160 49.6 28.0 42.0#



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 5.28 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

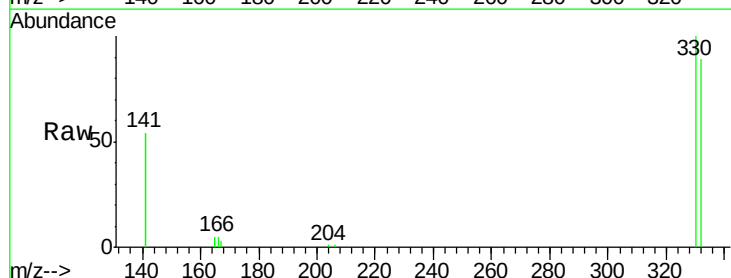
Tgt Ion:330 Resp: 11305

Ion Ratio Lower Upper

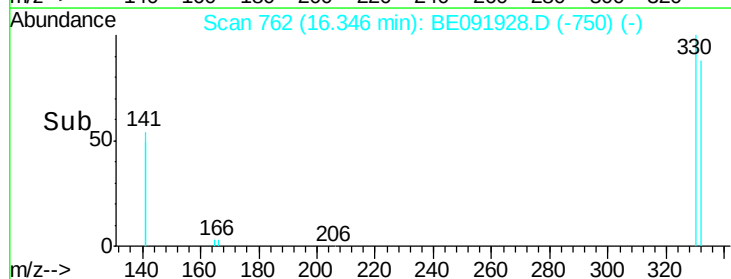
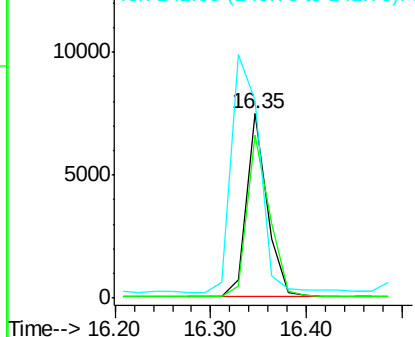
330 100

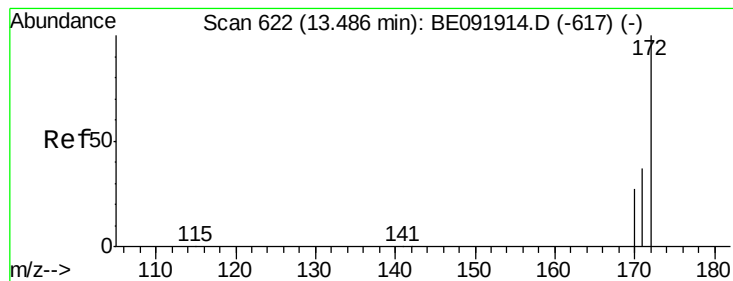
332 95.6 77.0 115.6

141 172.7 138.4 207.6



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: 3.13 ng

RT: 13.48 min Scan# 622

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

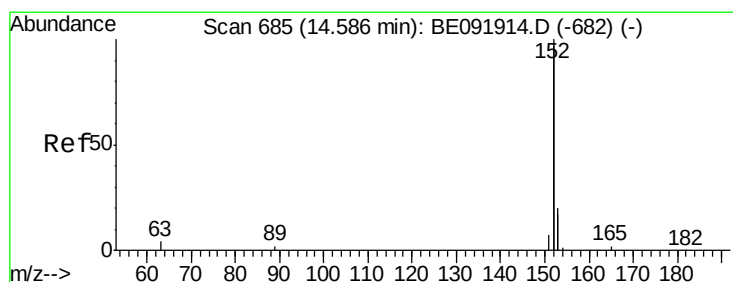
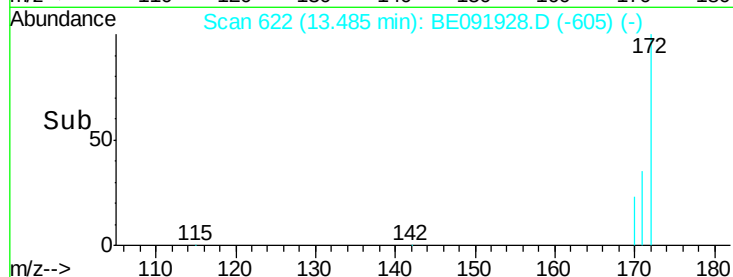
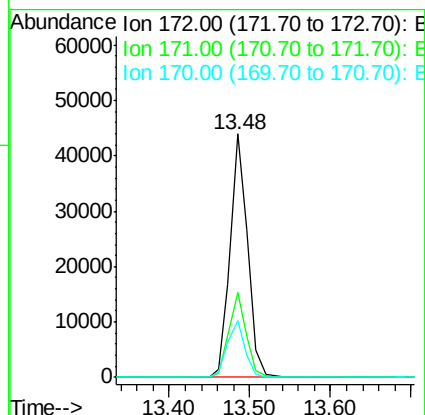
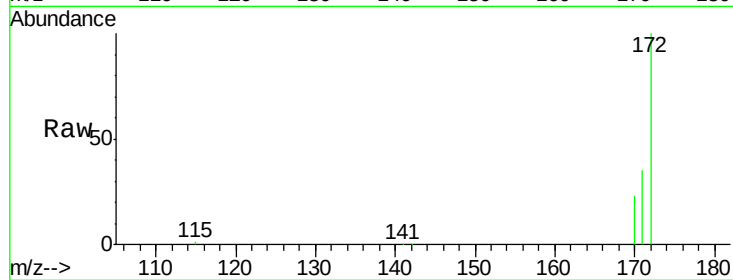
Tgt Ion:172 Resp: 65723

Ion Ratio Lower Upper

172 100

171 35.1 24.3 36.5

170 23.3 14.9 22.3#



#18

Acenaphthylene

Concen: 3.02 ng

RT: 14.56 min Scan# 684

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

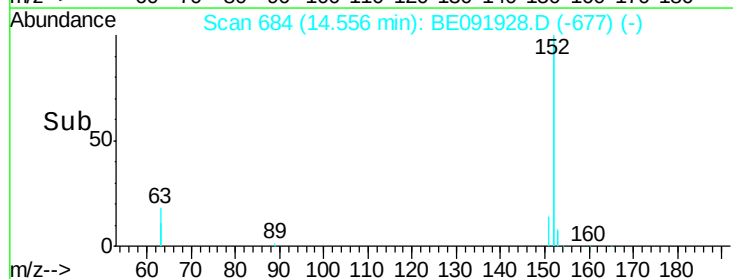
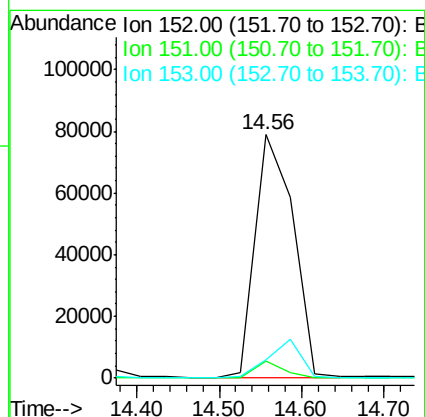
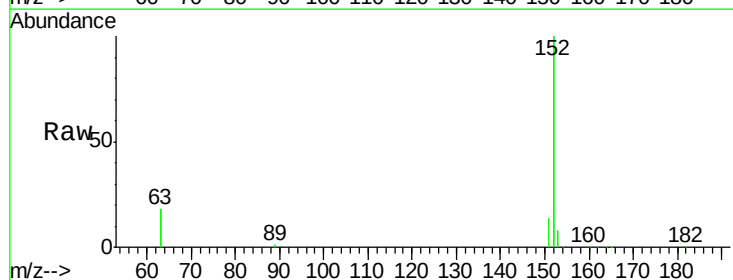
Tgt Ion:152 Resp: 253730

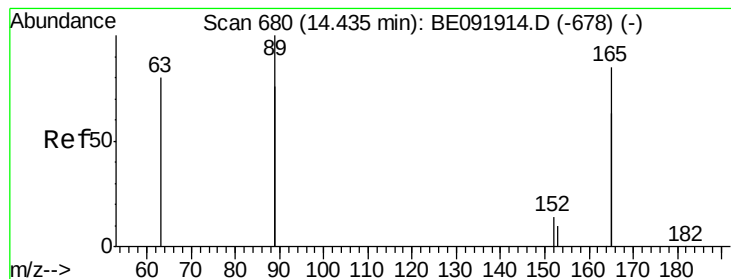
Ion Ratio Lower Upper

152 100

151 5.3 19.4 29.2#

153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 2.67 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

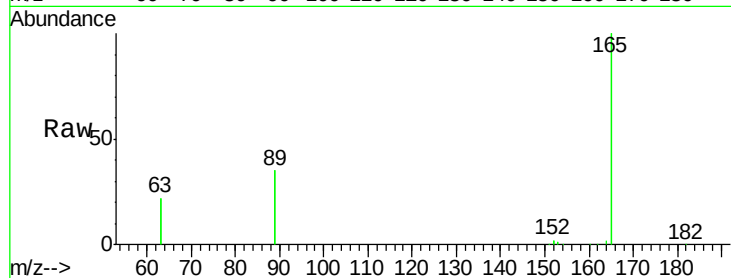
Tgt Ion:165 Resp: 46953

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

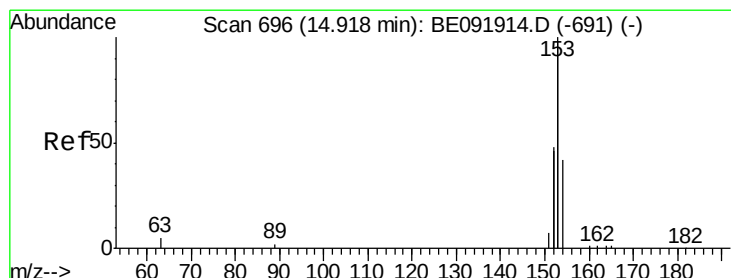
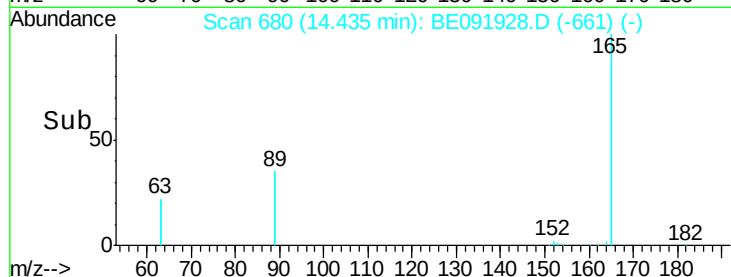
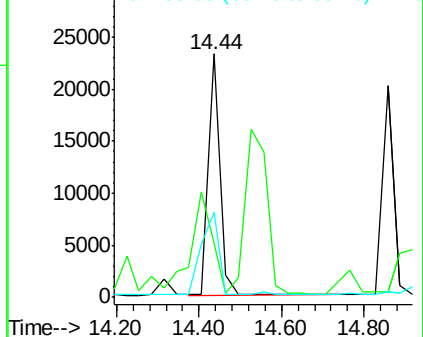
89 49.7 59.1 88.7#



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: 2.96 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

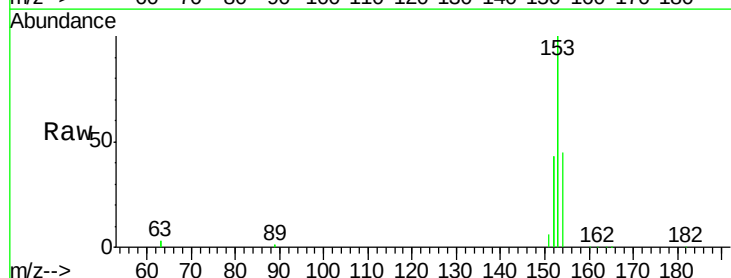
Tgt Ion:154 Resp: 68570

Ion Ratio Lower Upper

154 100

153 426.7 88.1 132.1#

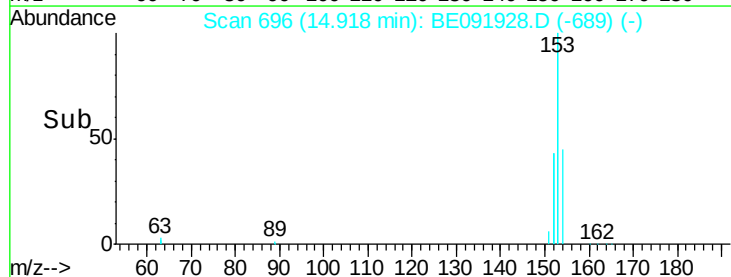
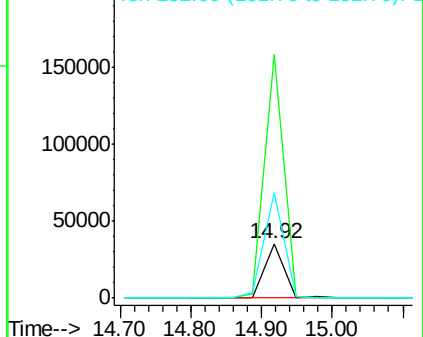
152 189.9 44.2 66.2#

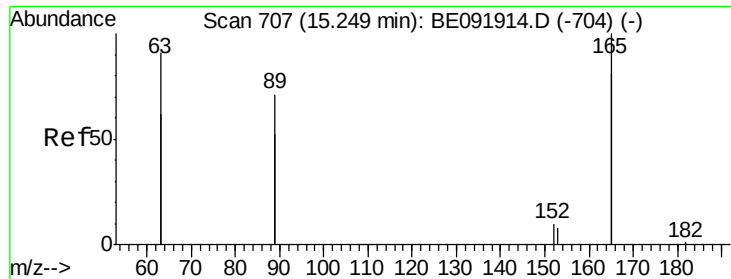


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

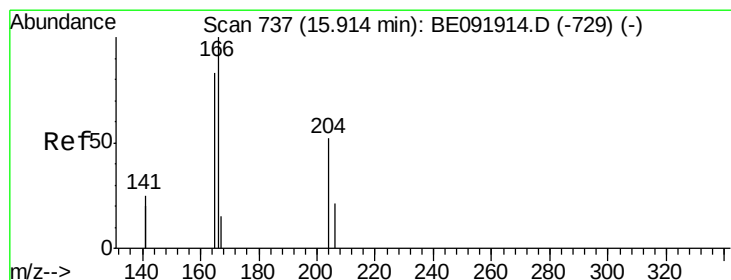
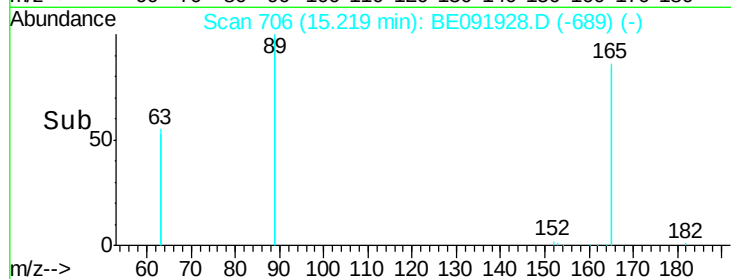
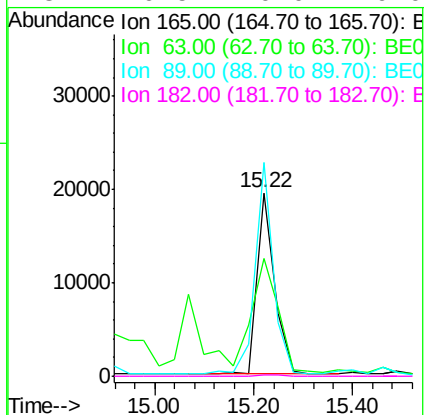
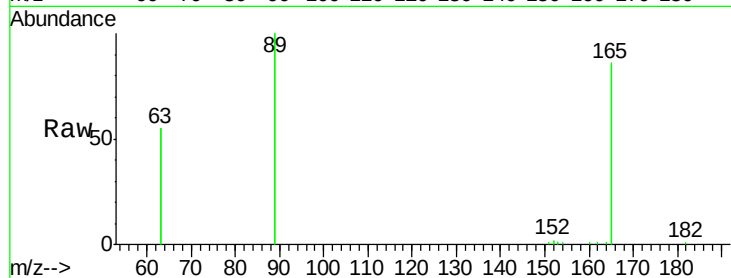




#21
2,4-Dinitrotoluene
Concen: 2.96 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

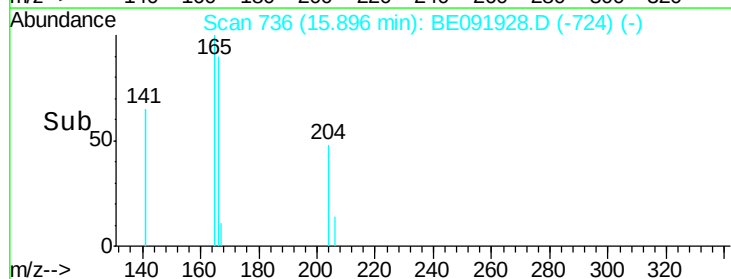
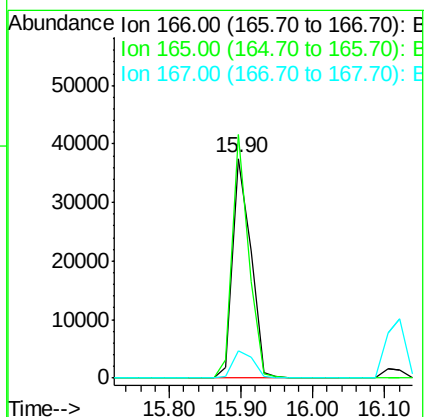
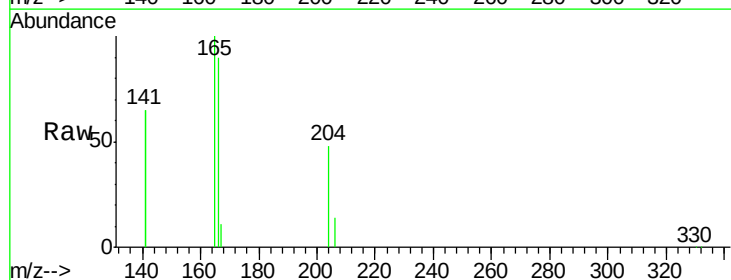
Instrument :
BNA_E
ClientSampleId :
PB91035BS

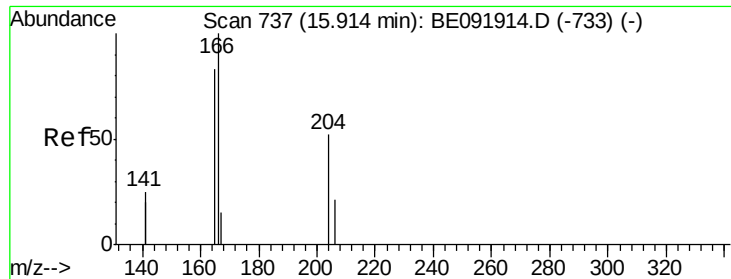
Tgt Ion:165 Resp: 48083
Ion Ratio Lower Upper
165 100
63 92.0 0.0 0.0#
89 121.6 99.8 149.8
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 2.81 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

Tgt Ion:166 Resp: 64633
Ion Ratio Lower Upper
166 100
165 99.8 78.6 117.8
167 13.6 10.8 16.2

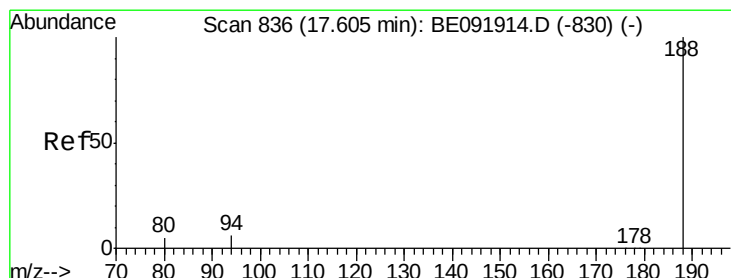
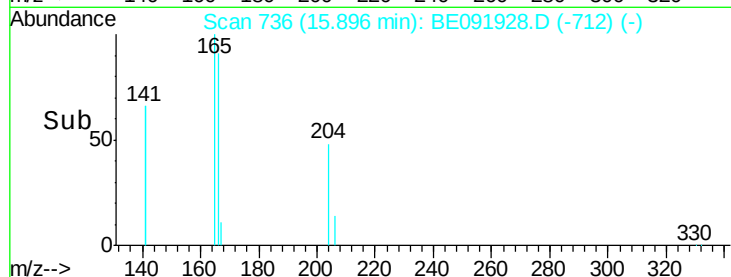
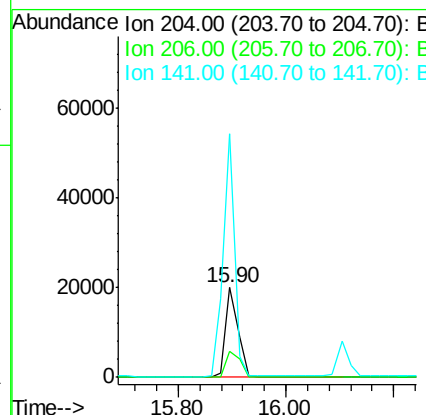
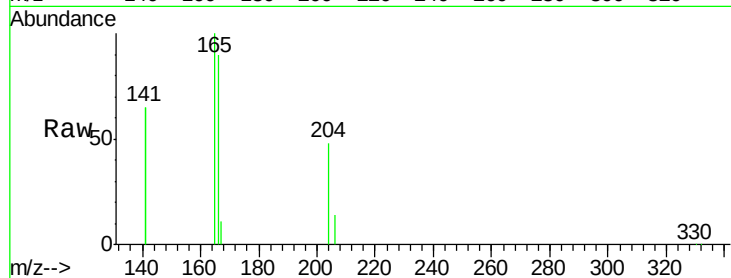




#23
 4-Chlorophenyl-phenylether
 Concen: 2.77 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

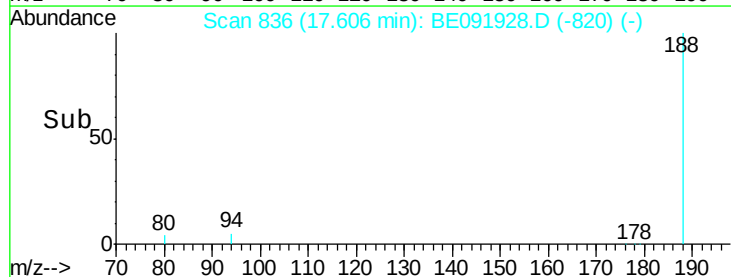
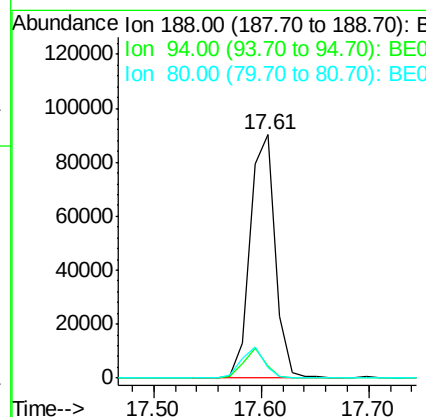
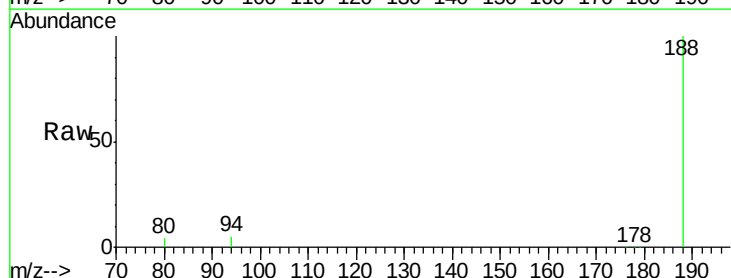
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

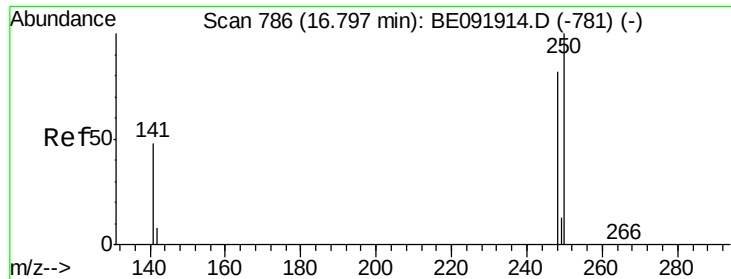
Tgt Ion: 204 Resp: 31395
 Ion Ratio Lower Upper
 204 100
 206 33.7 27.8 41.6
 141 252.4 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.61 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

Tgt Ion: 188 Resp: 145440
 Ion Ratio Lower Upper
 188 100
 94 4.9 4.1 6.1
 80 4.1 3.4 5.2

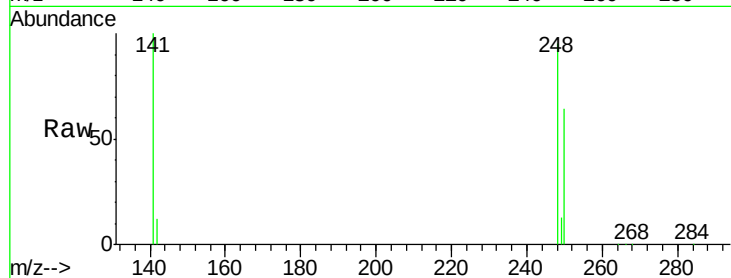




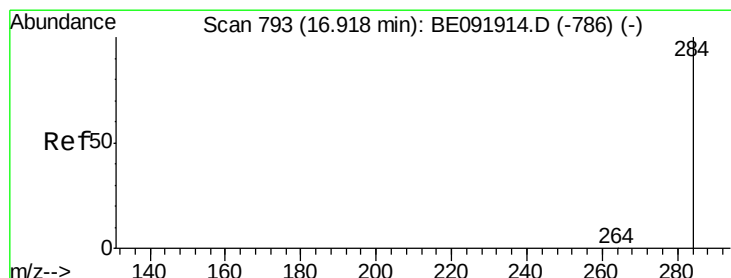
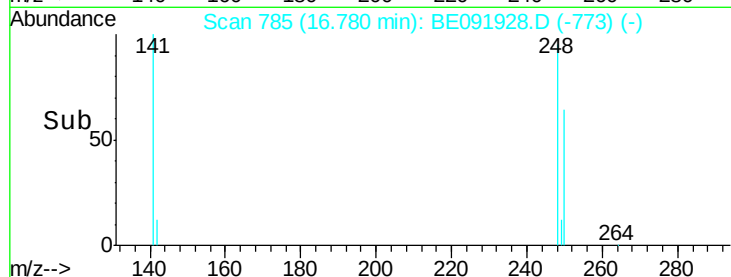
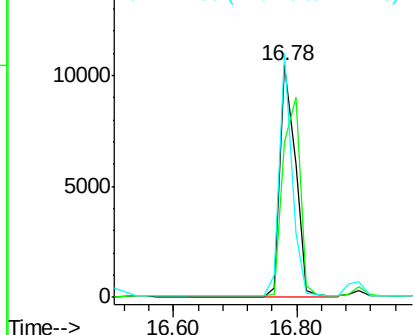
#25
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

Instrument :
BNA_E
ClientSampleId :
PB91035BS

Tgt Ion:248 Resp: 17801
Ion Ratio Lower Upper
248 100
250 97.2 75.7 113.5
141 86.9 64.6 97.0

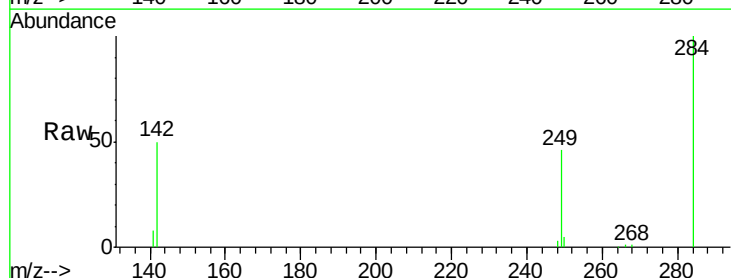


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

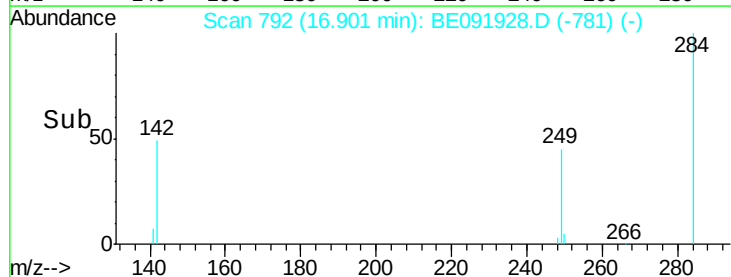
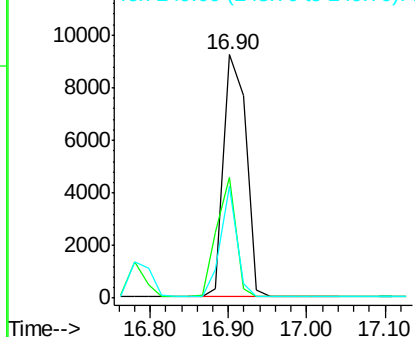


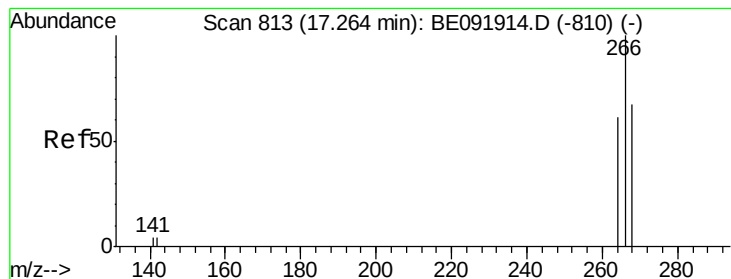
#26
Hexachlorobenzene
Concen: 3.15 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.02 min
Lab File: BE091928.D
Acq: 15 Jun 2016 17:07

Tgt Ion:284 Resp: 18151
Ion Ratio Lower Upper
284 100
142 42.0 31.4 47.2
249 32.8 25.3 37.9



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





#27

Pentachlorophenol

Concen: 4.90 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

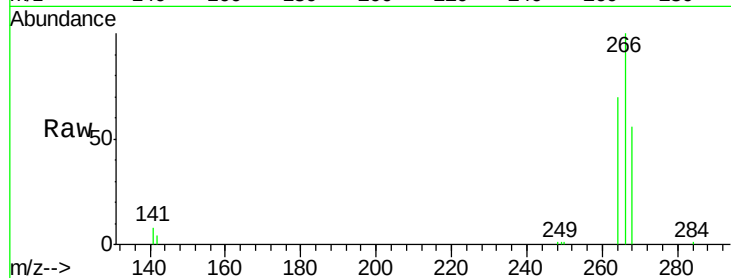
Tgt Ion:266 Resp: 12939

Ion Ratio Lower Upper

266 100

268 55.7 60.5 90.7#

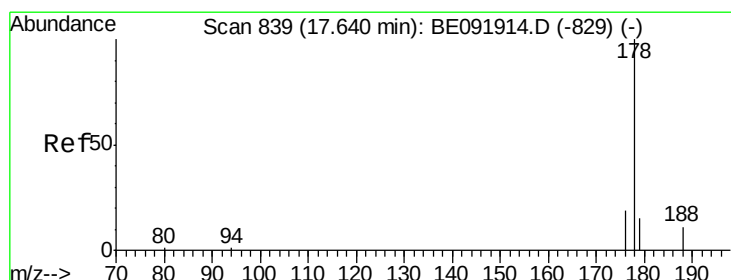
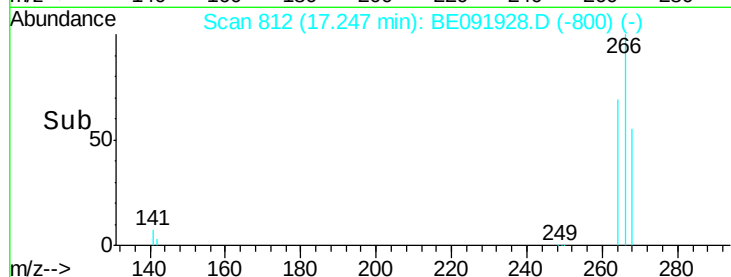
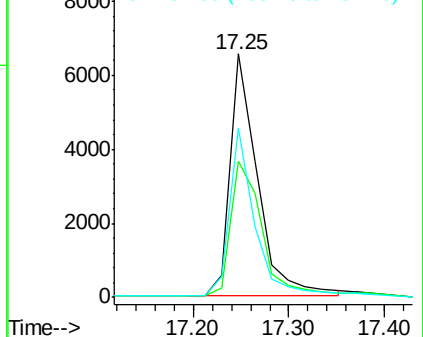
264 69.6 51.0 76.4



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: 2.95 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

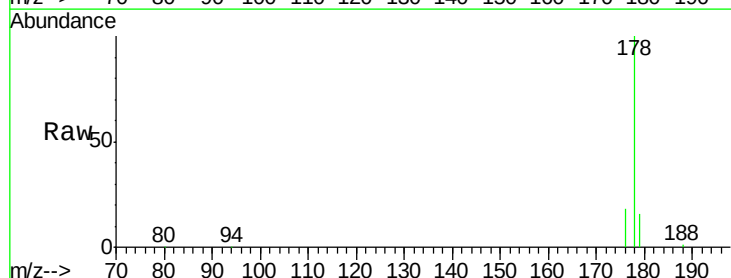
Tgt Ion:178 Resp: 107300

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

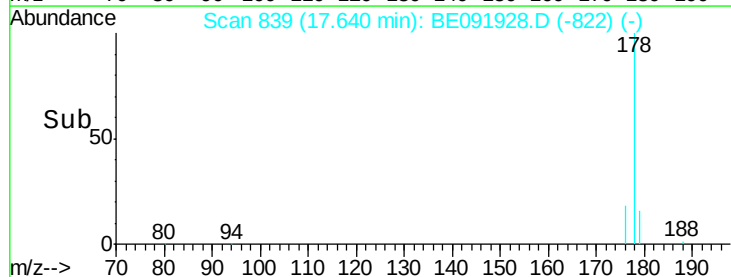
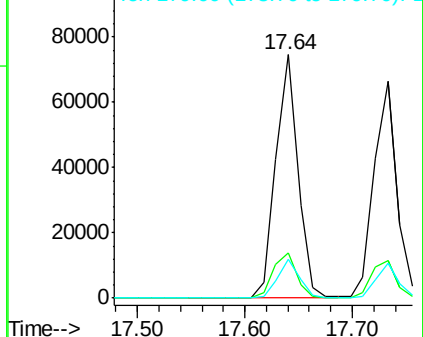
179 15.5 12.9 19.3

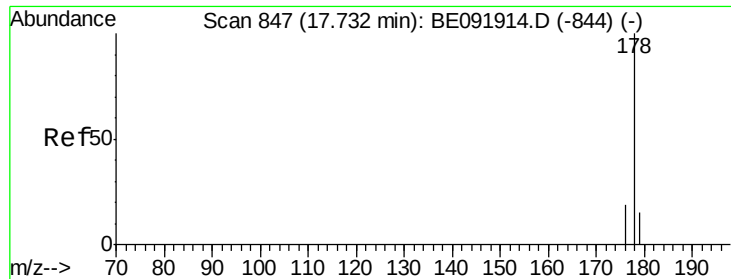


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.12 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

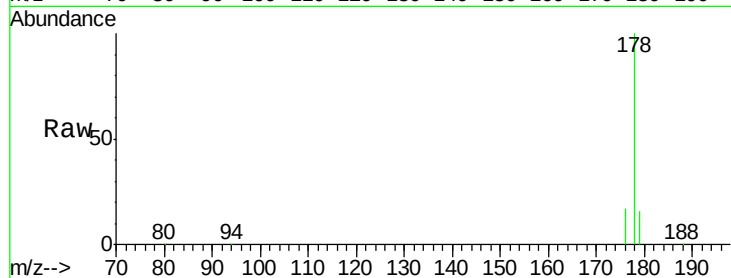
Tgt Ion:178 Resp: 100327

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

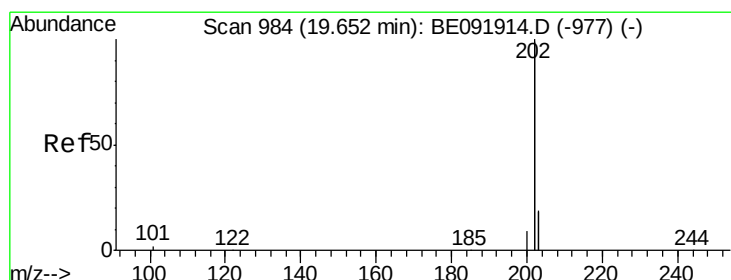
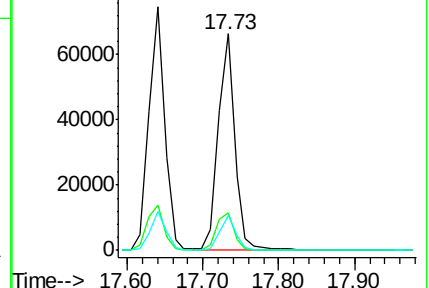
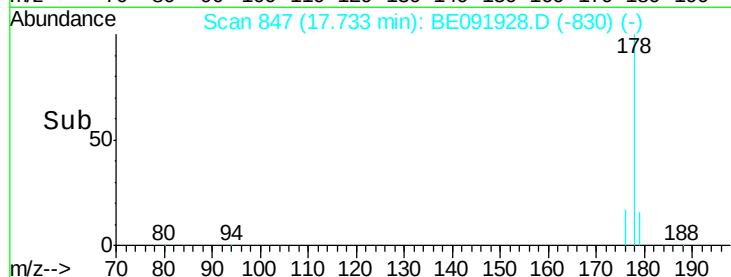
179 15.0 12.1 18.1



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: 2.57 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

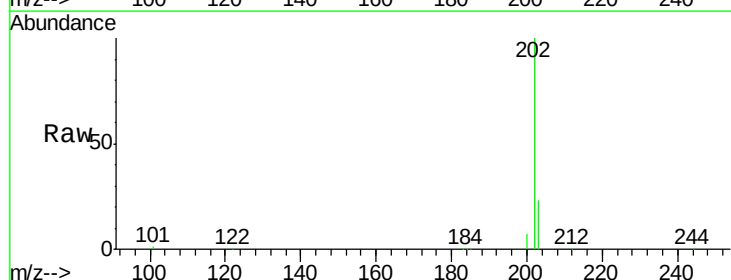
Tgt Ion:202 Resp: 399950

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

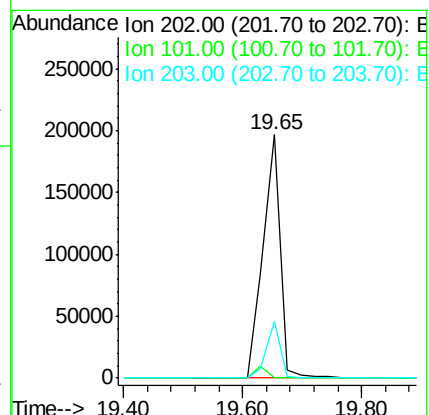
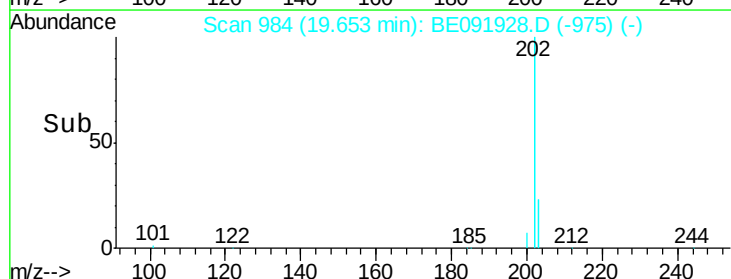
203 19.1 14.3 21.5

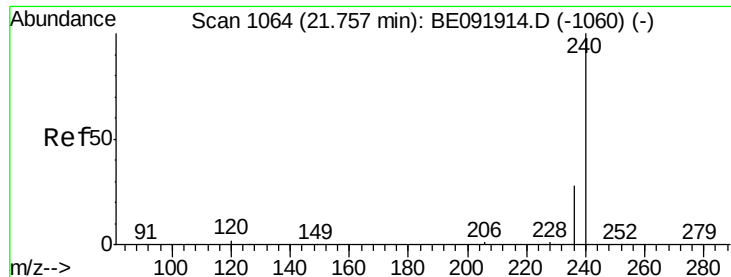


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

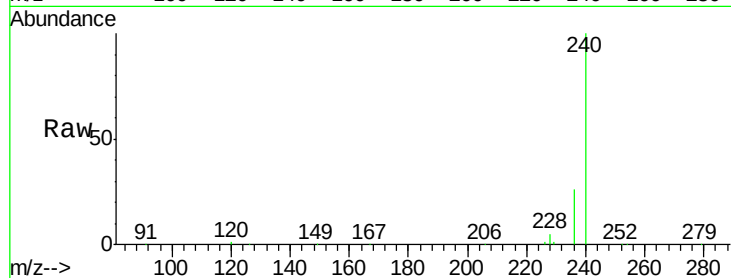
Tgt Ion:240 Resp: 217699

Ion Ratio Lower Upper

240 100

120 1.2 1.2 1.8#

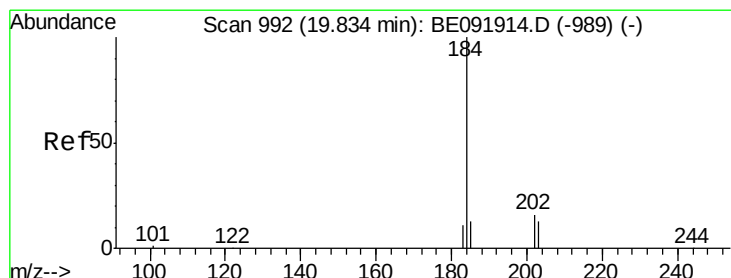
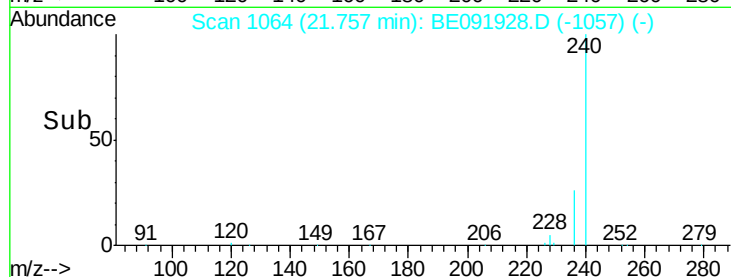
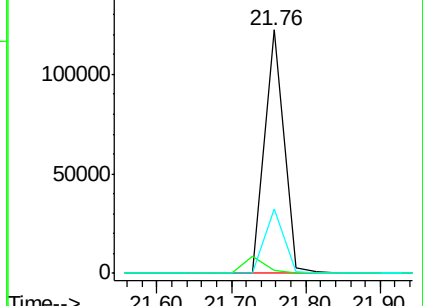
236 26.4 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.60 ng

RT: 19.84 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

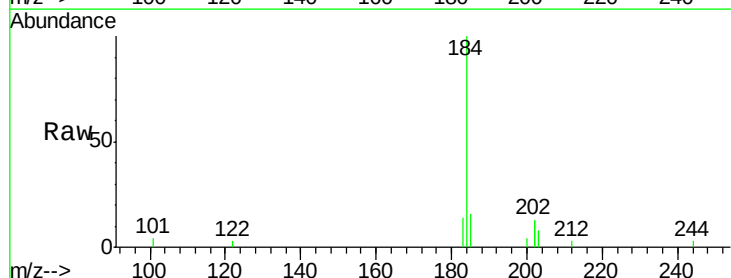
Tgt Ion:184 Resp: 4444

Ion Ratio Lower Upper

184 100

185 16.1 11.4 17.2

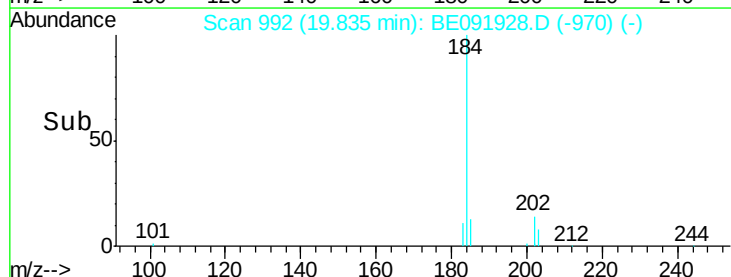
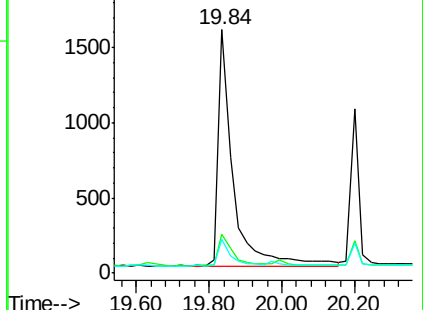
183 14.0 11.8 17.6

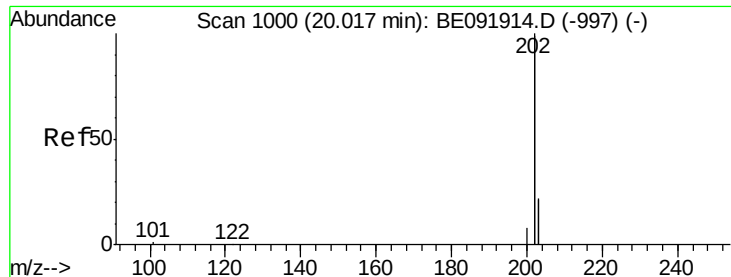


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

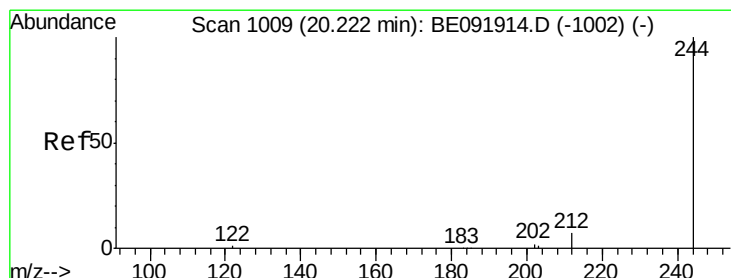
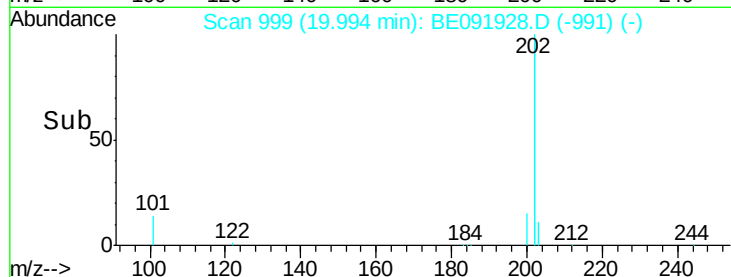
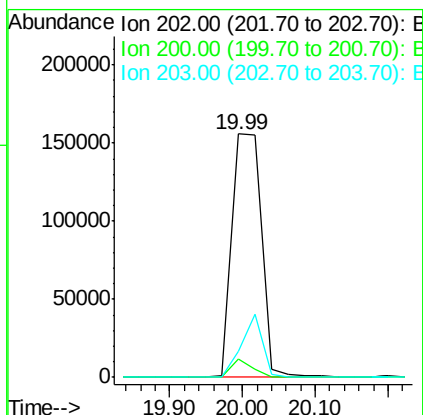
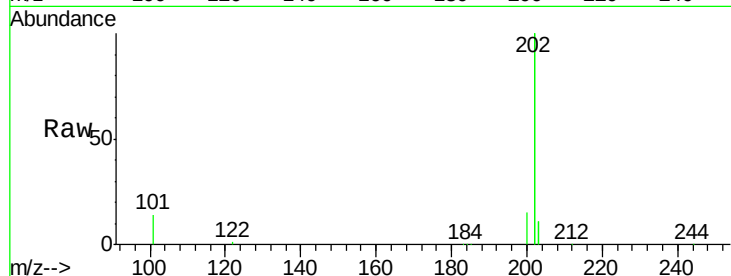




#33
 Pyrene
 Concen: 2.94 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

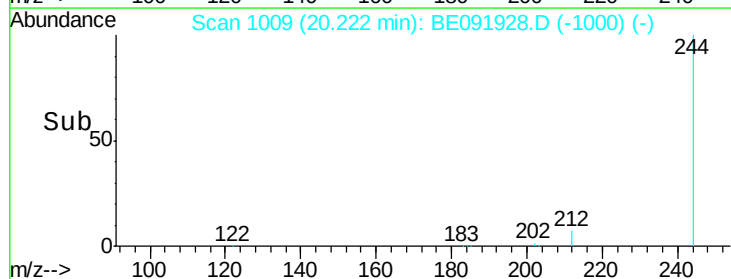
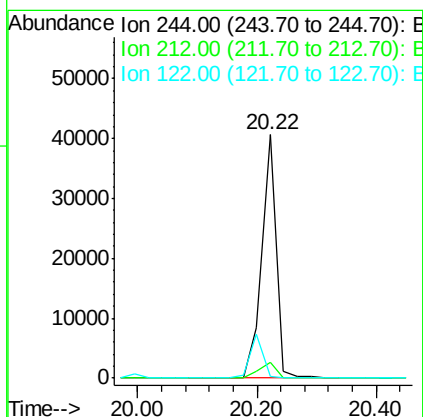
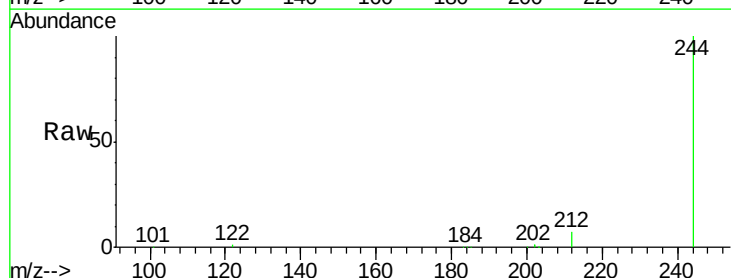
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

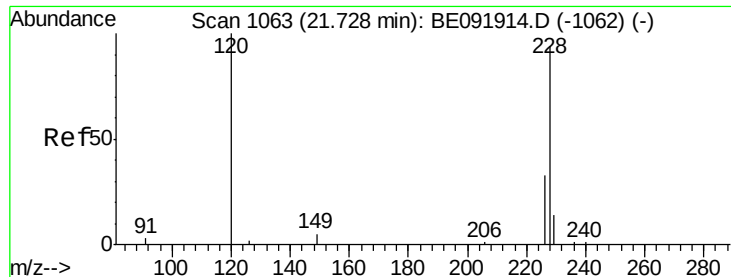
Tgt Ion: 202 Resp: 436024
 Ion Ratio Lower Upper
 202 100
 200 5.4 16.9 25.3#
 203 0.0 14.1 21.1#



#34
 Terphenyl-d14
 Concen: 2.60 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

Tgt Ion: 244 Resp: 69246
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 0.7 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 3.77 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampled :

PB91035BS

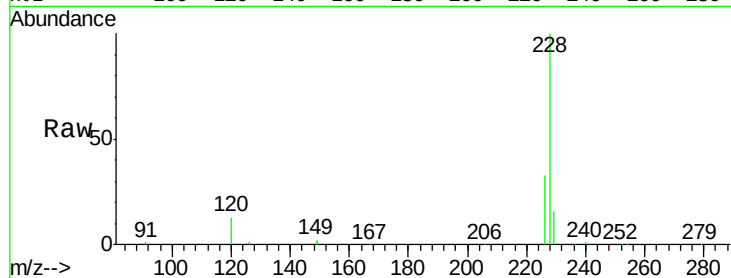
Tgt Ion:228 Resp: 129054

Ion Ratio Lower Upper

228 100

226 32.6 21.0 31.4#

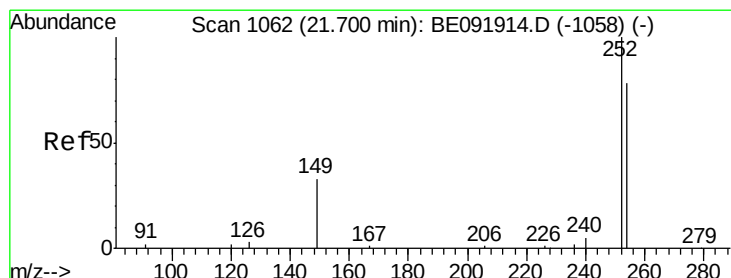
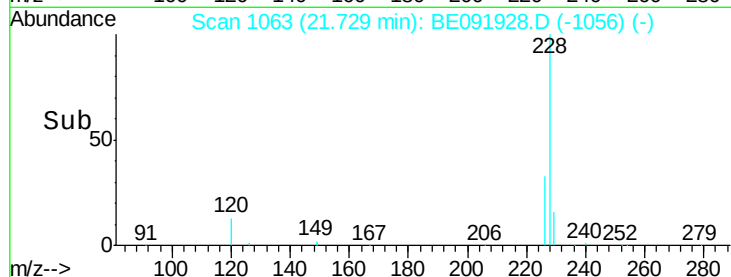
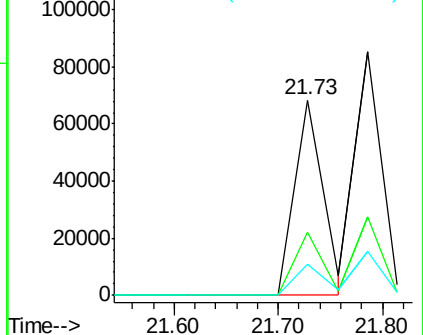
229 16.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 1.80 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

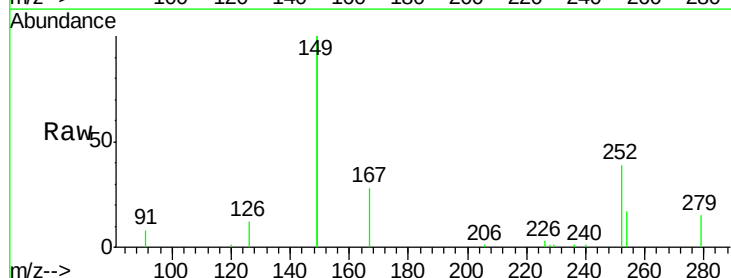
Tgt Ion:252 Resp: 9961

Ion Ratio Lower Upper

252 100

254 43.9 61.5 92.3#

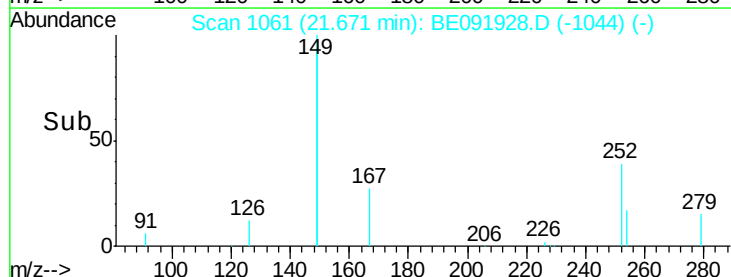
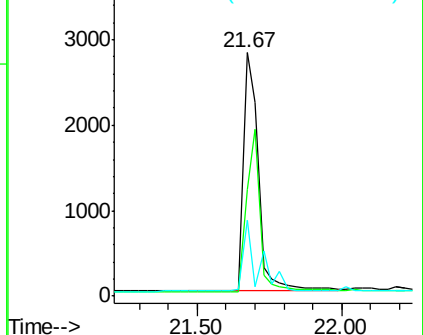
126 31.2 2.5 3.7#

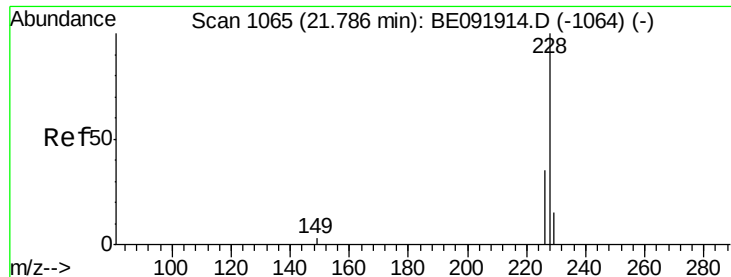


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 2.58 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

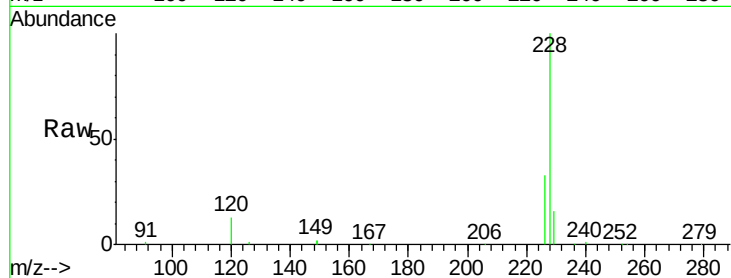
Tgt Ion:228 Resp: 129034

Ion Ratio Lower Upper

228 100

226 32.6 27.0 40.6

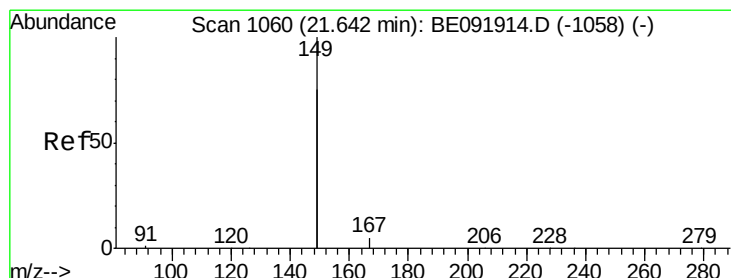
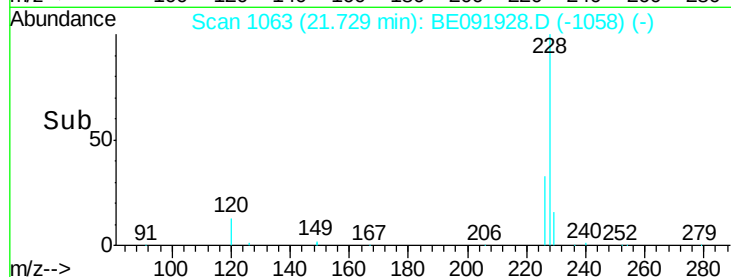
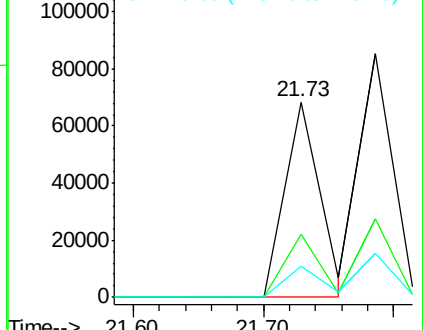
229 16.2 13.8 20.8



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: 2.99 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

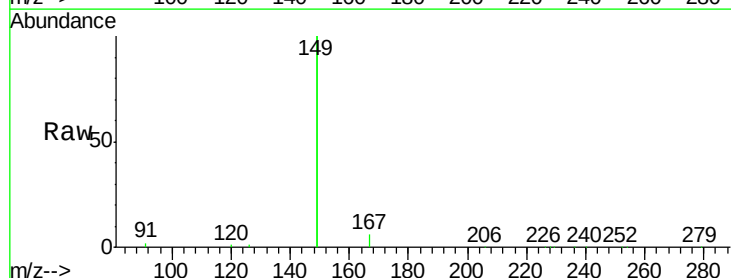
Tgt Ion:149 Resp: 81820

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

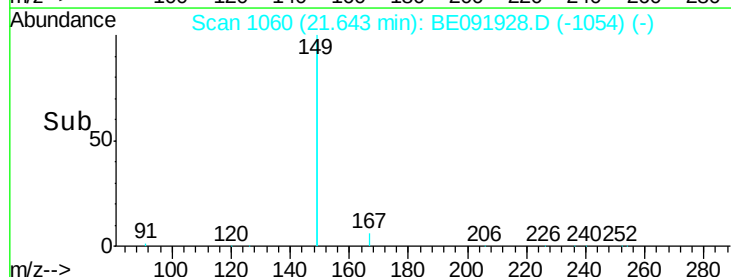
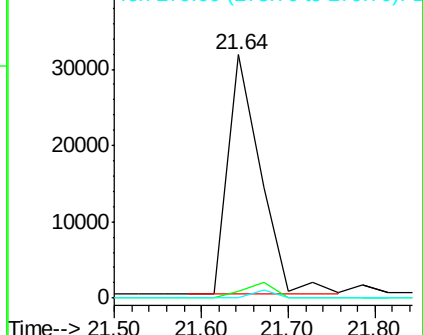
279 0.0 0.0 0.0

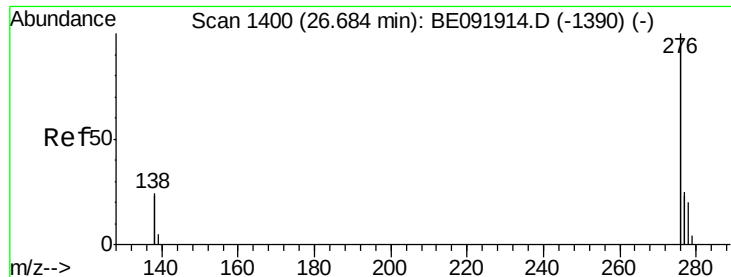


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

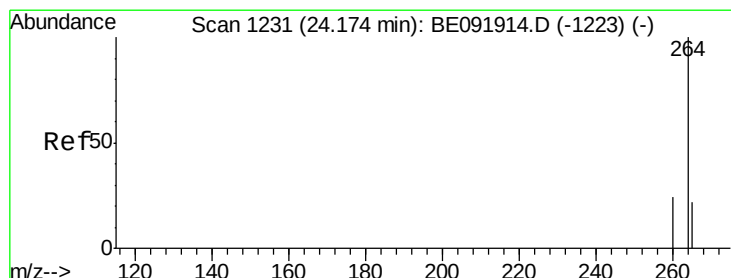
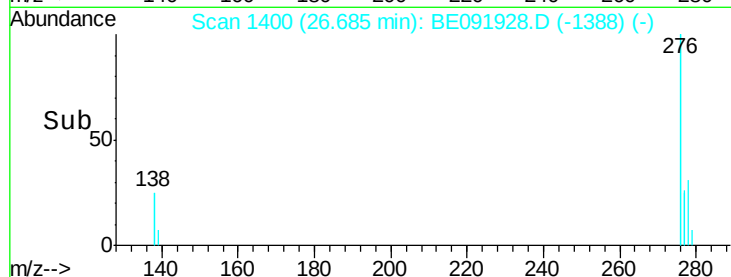
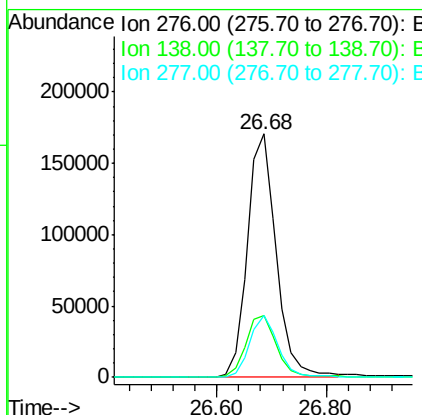
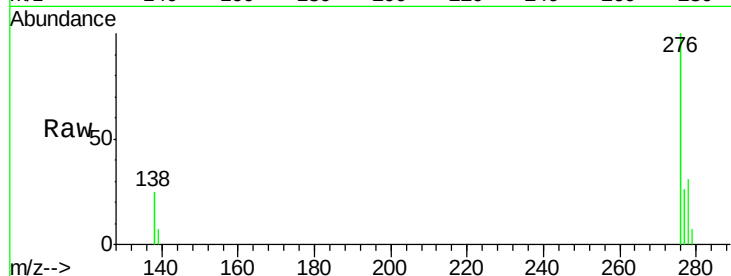




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 3.63 ng
 RT: 26.68 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

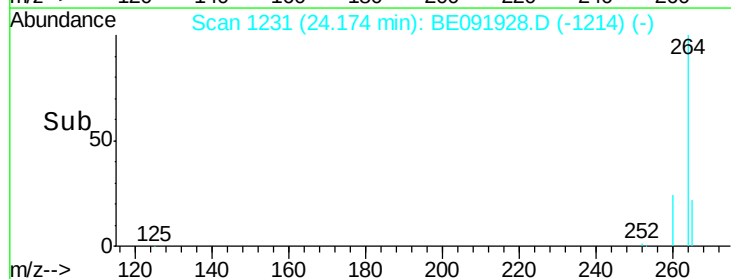
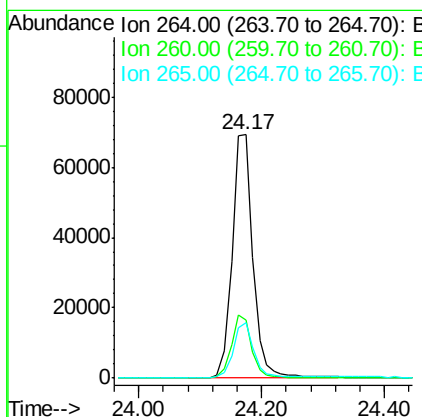
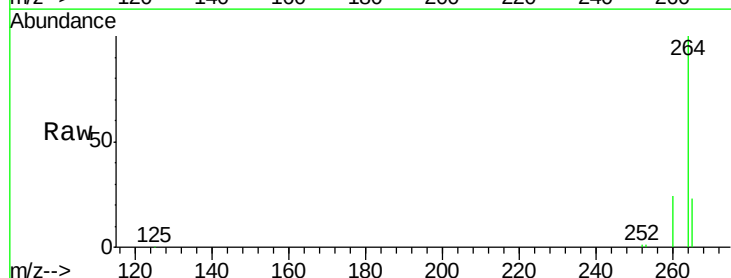
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

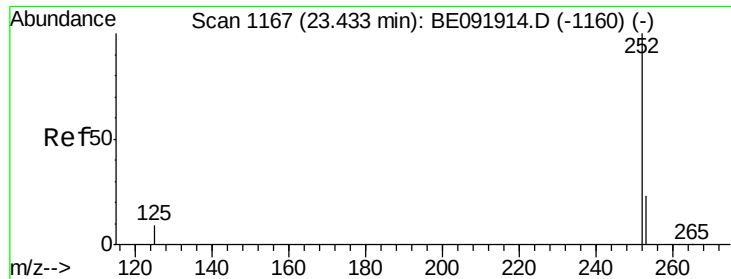
Tgt Ion: 276 Resp: 619687
 Ion Ratio Lower Upper
 276 100
 138 26.7 19.7 29.5
 277 24.9 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE091928.D
 Acq: 15 Jun 2016 17:07

Tgt Ion: 264 Resp: 163135
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.3 30.5
 265 22.7 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 2.92 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

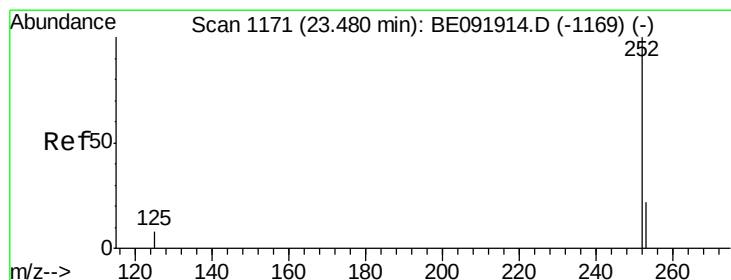
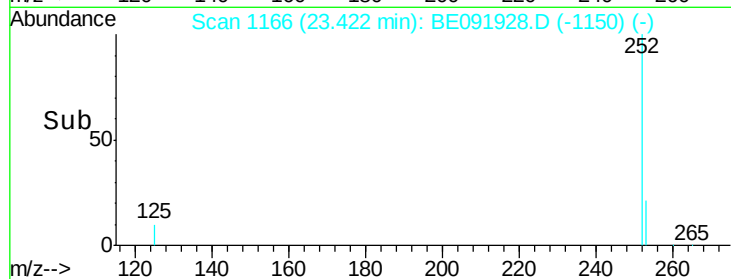
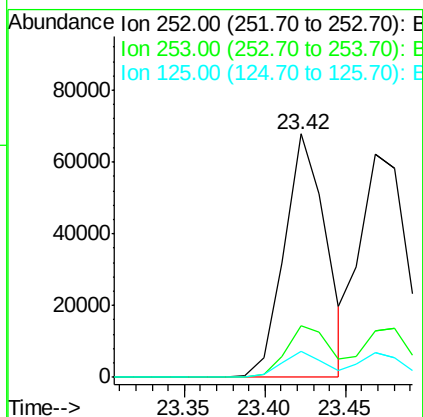
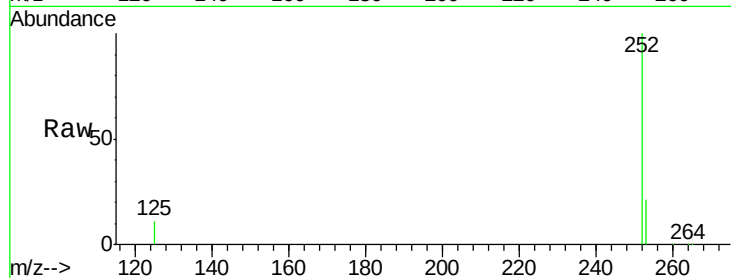
Instrument :

BNA_E

ClientSampleId :

PB91035BS

Tgt Ion:	252	Resp:	122252
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.6
125	10.6	9.4	14.2



#42

Benzo(k)fluoranthene

Concen: 3.36 ng

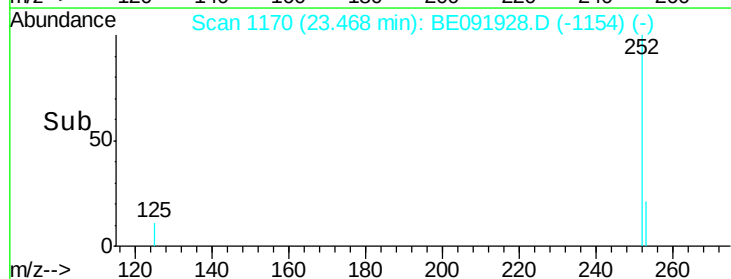
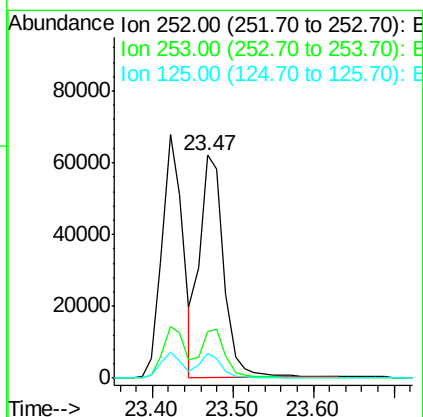
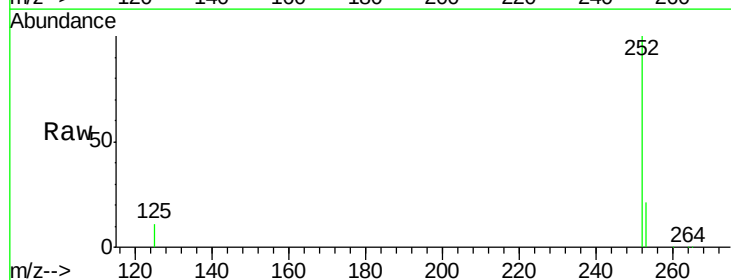
RT: 23.47 min Scan# 1170

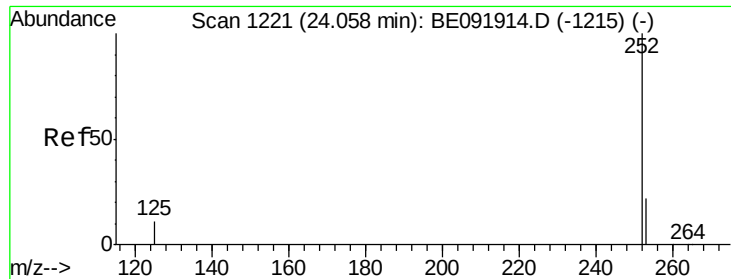
Delta R.T. -0.01 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Tgt Ion:	252	Resp:	128826
Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.4	29.2
125	10.9	8.3	12.5





#43

Benzo(a)pyrene

Concen: 3.18 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS

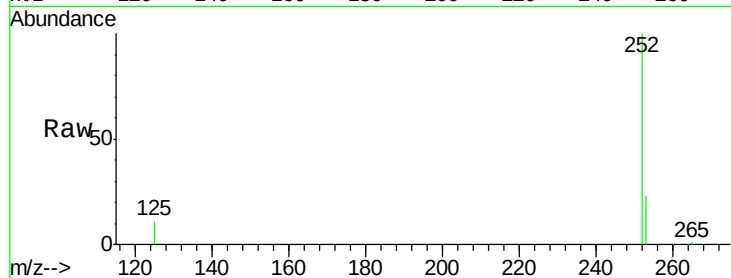
Tgt Ion:252 Resp: 116246

Ion Ratio Lower Upper

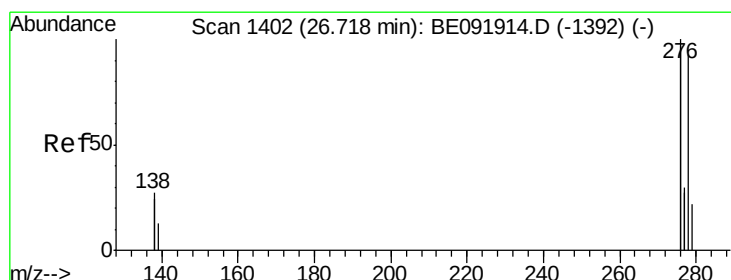
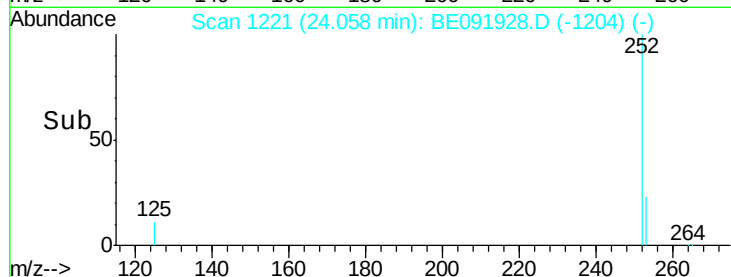
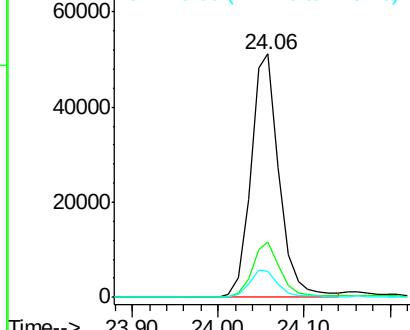
252 100

253 22.9 18.9 28.3

125 10.7 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: 3.70 ng

RT: 26.70 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091928.D

Acq: 15 Jun 2016 17:07

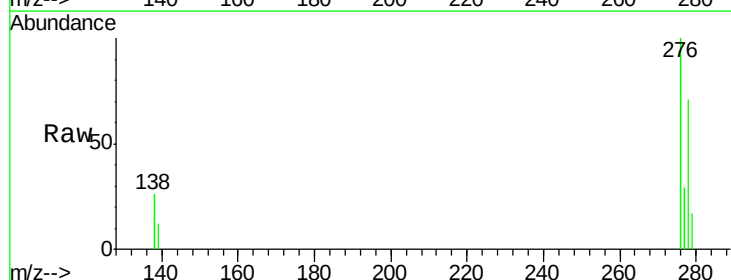
Tgt Ion:278 Resp: 131722

Ion Ratio Lower Upper

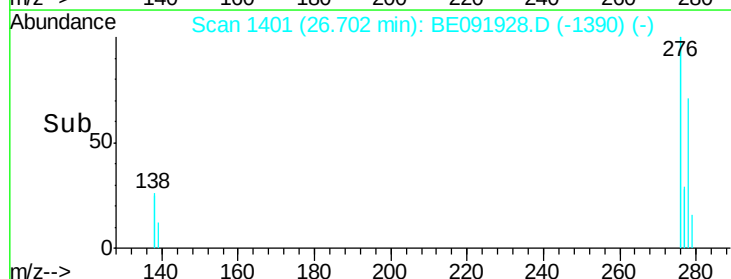
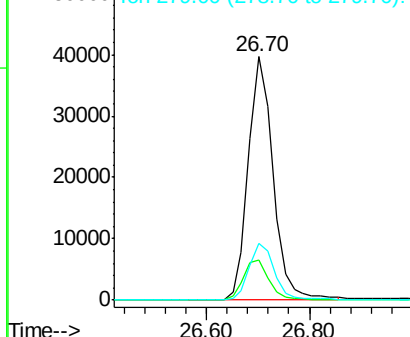
278 100

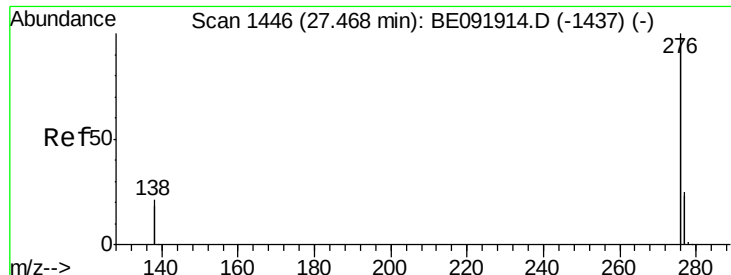
139 16.7 12.6 18.8

279 23.3 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: 3.69 ng

RT: 27.45 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE091928.D

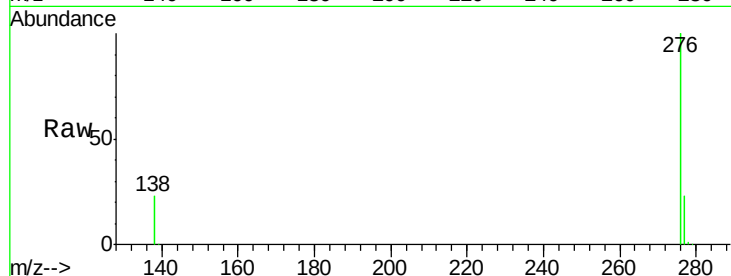
Acq: 15 Jun 2016 17:07

Instrument :

BNA_E

ClientSampleId :

PB91035BS



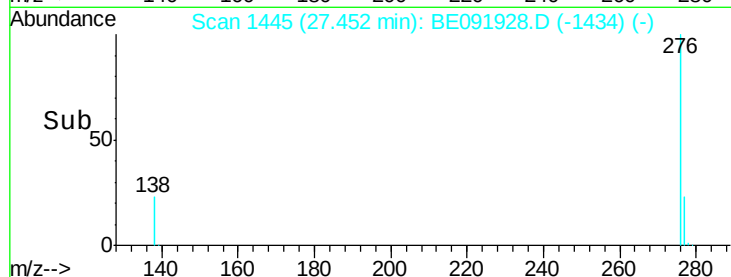
Tgt Ion: 276 Resp: 542121

Ion Ratio Lower Upper

276 100

277 23.1 19.5 29.3

138 22.9 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

