

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091931.D
 Acq On : 15 Jun 2016 19:00
 Operator : UM/SJ
 Sample : PB91035BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Quant Time: Jun 15 19:30:59 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	26889	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	111904	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	74728	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	127523	5.00	ng	-0.01
31) Chrysene-d12	21.76	240	191769	5.00	ng	0.00
40) Perylene-d12	24.16	264	139986	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	45011	8.56	ng	0.00
5) Phenol-d6	7.37	99	58745	6.83	ng	0.02
9) Nitrobenzene-d5	9.36	82	32815	4.25	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	13074	6.74	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	72445	3.82	ng	0.00
34) Terphenyl-d14	20.22	244	79627	3.39	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	11551	3.05	ng	# 82
3) n-Nitrosodimethylamine	3.82	42	17475	4.05	ng	94
6) bis(2-Chloroethyl)ether	7.61	93	30633	3.98	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	24014	3.30	ng	# 98
10) Nitrobenzene	9.40	77	35064	4.00	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	37853	3.86	ng	# 19
12) Naphthalene	11.04	128	93118	3.81	ng	# 93
13) Hexachlorobutadiene	11.34	225	15521	3.93	ng	98
14) 2-Methylnaphthalene	12.68	142	65033	3.92	ng	95
18) Acenaphthylene	14.56	152	292476	3.86	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	58694	3.60	ng	# 38
20) Acenaphthene	14.92	154	79660	3.81	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	60059	4.04	ng	# 82
22) Fluorene	15.90	166	72897	3.51	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	35893	3.50	ng	96
25) 4-Bromophenyl-phenylether	16.78	248	20693	4.20	ng	96
26) Hexachlorobenzene	16.90	284	20755	4.10	ng	97
27) Pentachlorophenol	17.25	266	16279	6.22	ng	# 85
28) Phenanthrene	17.64	178	123863	3.89	ng	99
29) Anthracene	17.73	178	114174	4.05	ng	100
30) Fluoranthene	19.65	202	463633	3.40	ng	# 86
32) Benzidine	19.83	184	6238	0.87	ng	96
33) Pyrene	20.02	202	488020	3.74	ng	# 74
35) Benzo(a)anthracene	21.79	228	304281	10.10	ng	# 91
36) 3,3'-Dichlorobenzidine	21.67	252	11616	2.38	ng	# 58
37) Chrysene	21.79	228	306916	6.97	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	88958	3.46	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.69	276	700556	4.65	ng	97
41) Benzo(b)fluoranthene	23.42	252	138011	3.84	ng	98
42) Benzo(k)fluoranthene	23.47	252	144525	4.39	ng	95
43) Benzo(a)pyrene	24.05	252	132041	4.20	ng	95
44) Dibenzo(a,h)anthracene	26.70	278	147212	4.82	ng	99
45) Benzo(g,h,i)perylene	27.45	276	603905	4.79	ng	98

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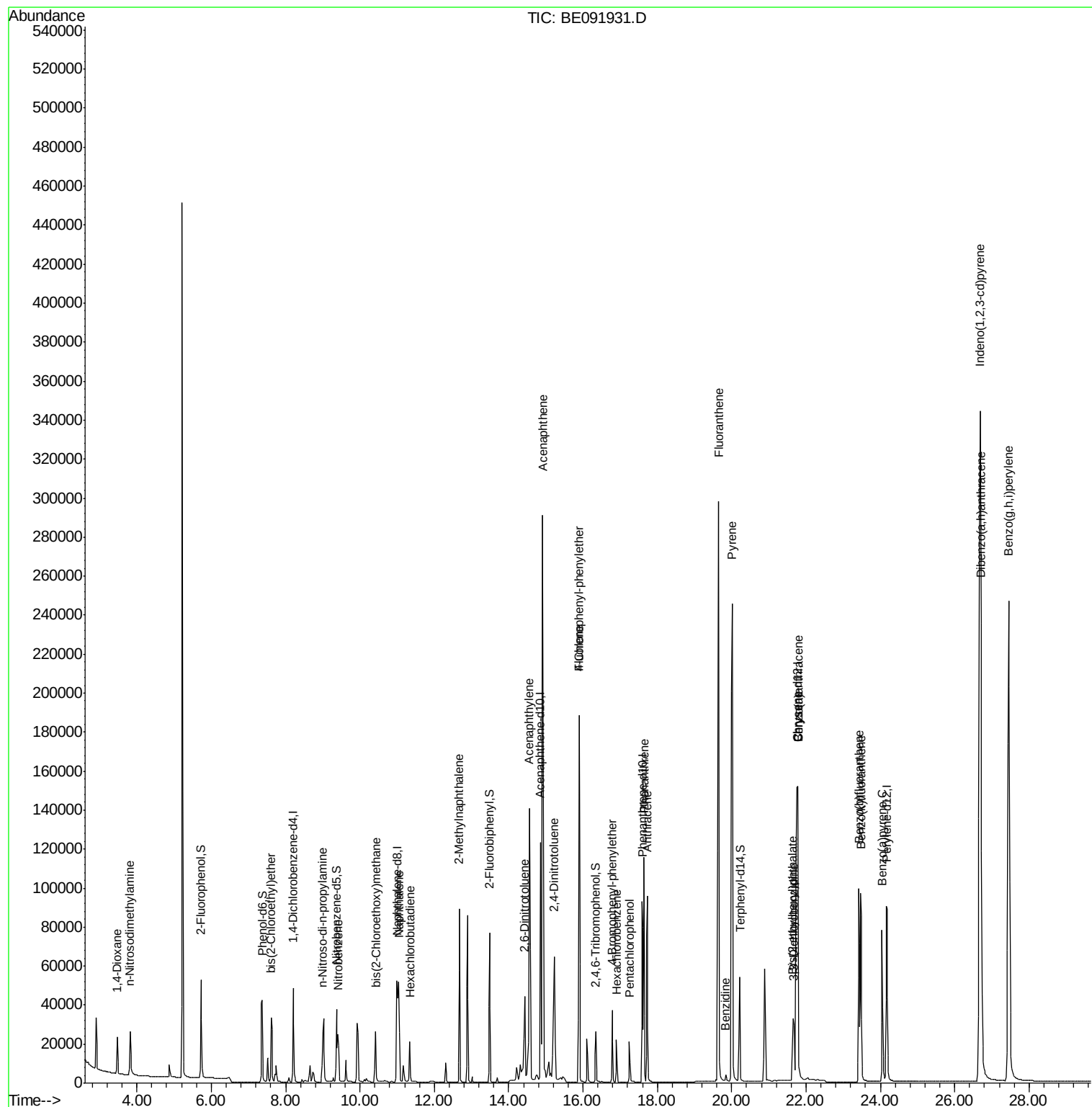
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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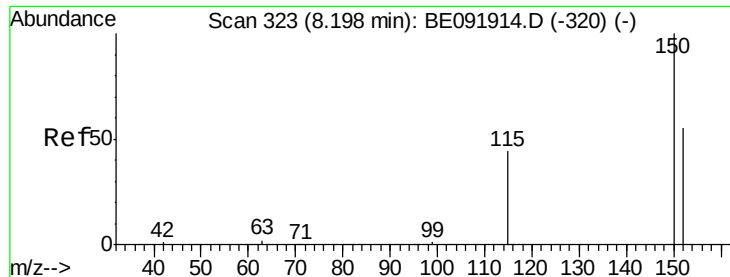
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

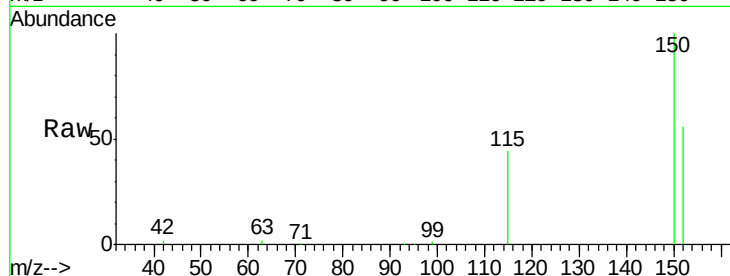
Tgt Ion:152 Resp: 26889

Ion Ratio Lower Upper

152 100

150 177.4 123.9 185.9

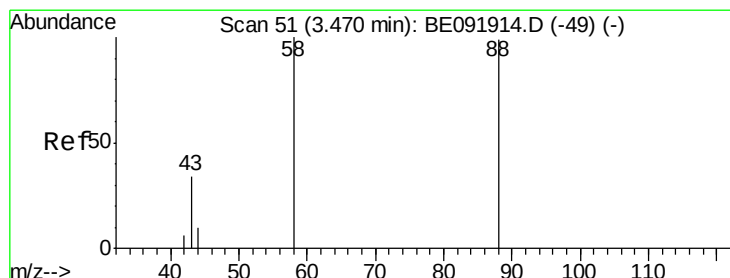
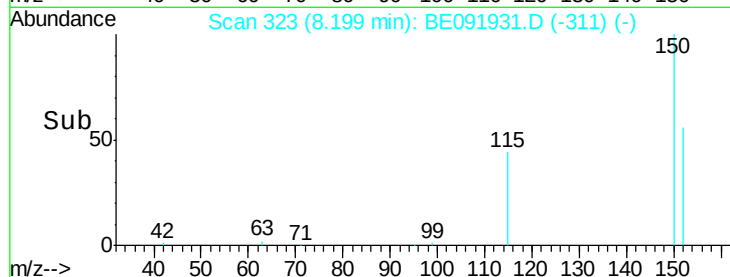
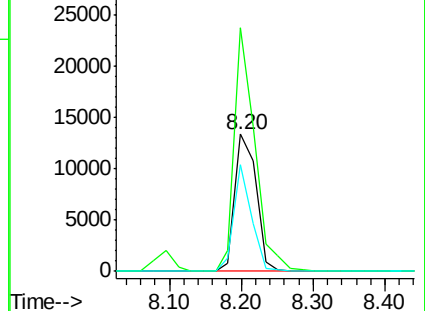
115 77.5 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.05 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

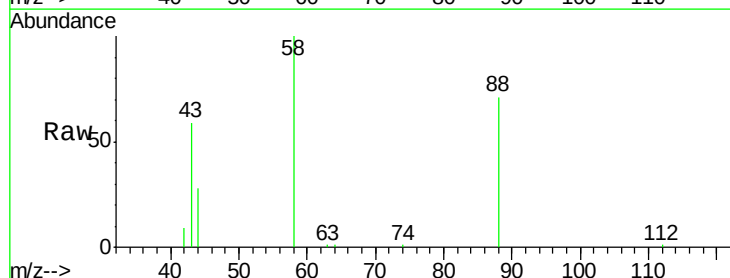
Tgt Ion: 88 Resp: 11551

Ion Ratio Lower Upper

88 100

58 93.7 63.0 94.4

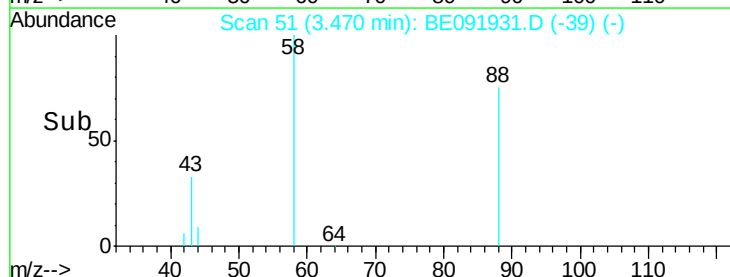
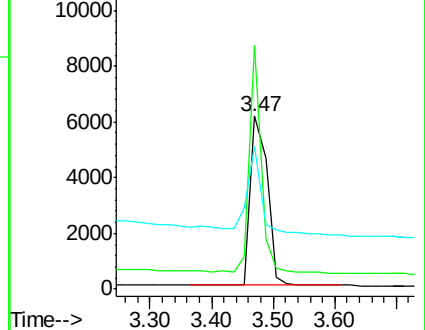
43 48.0 29.1 43.7#

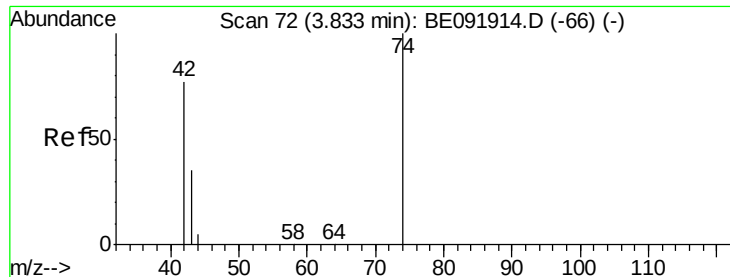


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.05 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

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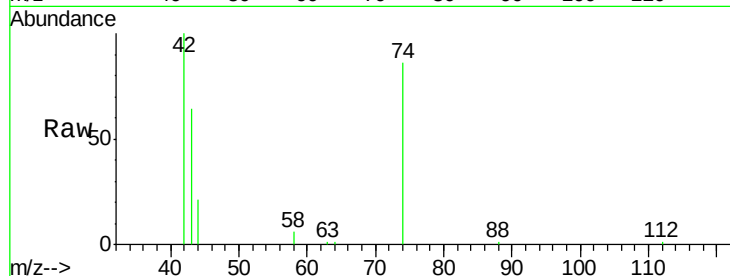
Tgt Ion: 42 Resp: 17475

Ion Ratio Lower Upper

42 100

74 109.8 93.4 140.0

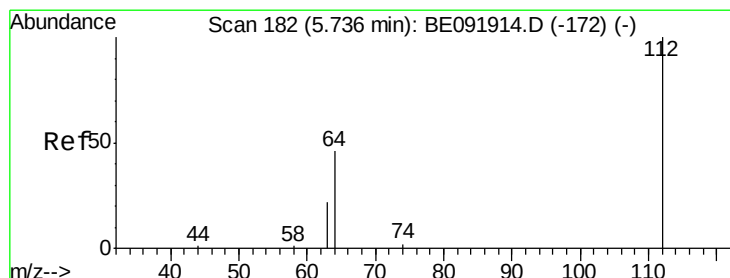
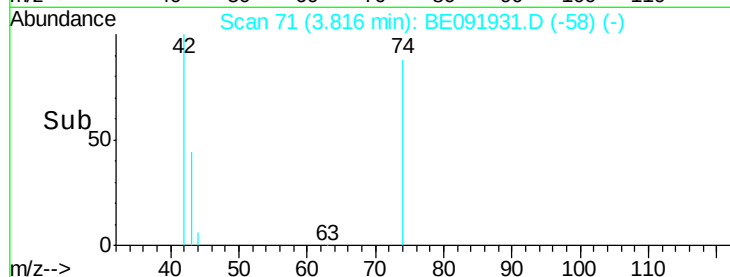
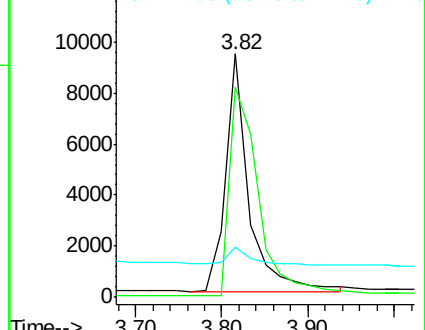
44 7.1 5.0 7.6



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: 8.56 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

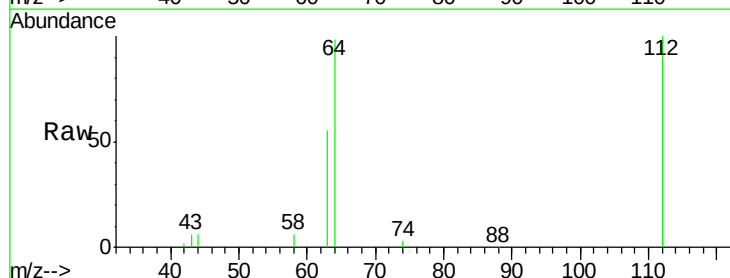
Tgt Ion: 112 Resp: 45011

Ion Ratio Lower Upper

112 100

64 69.1 53.7 80.5

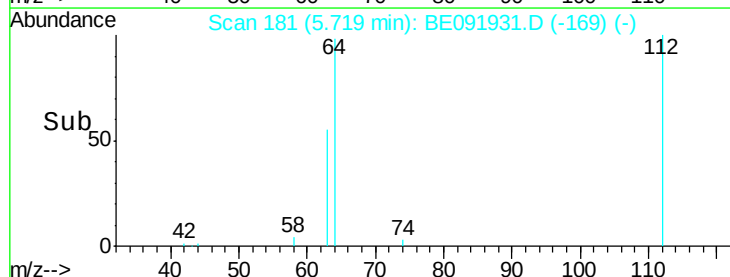
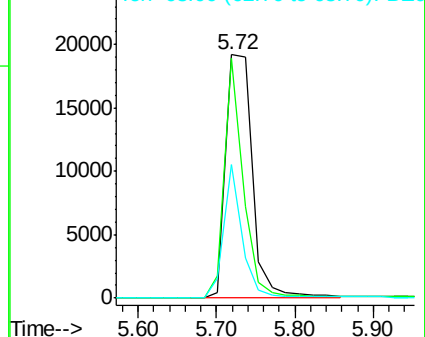
63 37.4 29.5 44.3

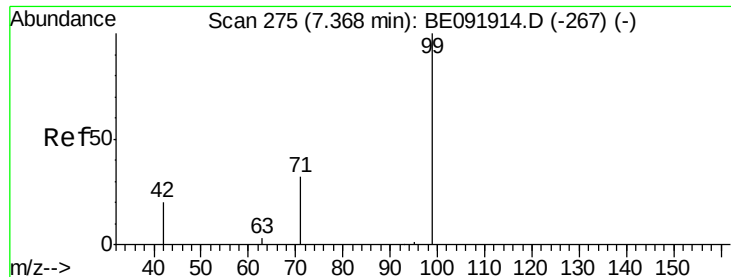


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.83 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

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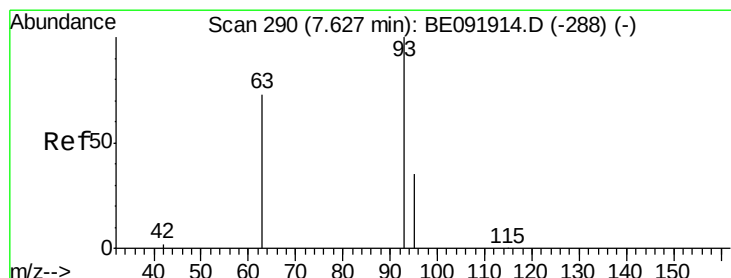
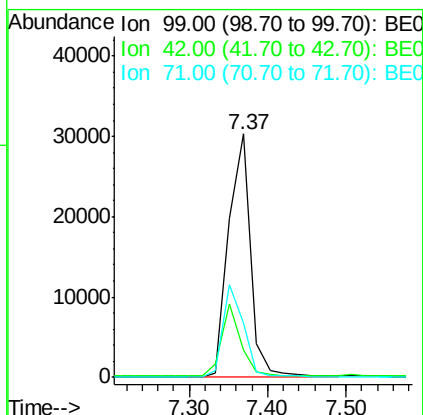
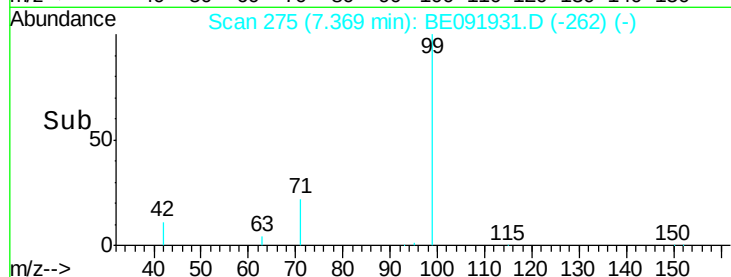
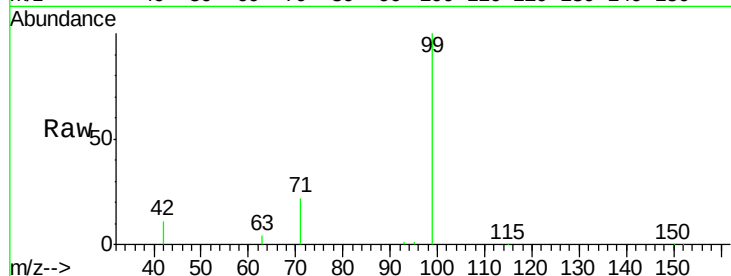
Tgt Ion: 99 Resp: 58745

Ion Ratio Lower Upper

99 100

42 26.3 19.6 29.4

71 35.8 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.98 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

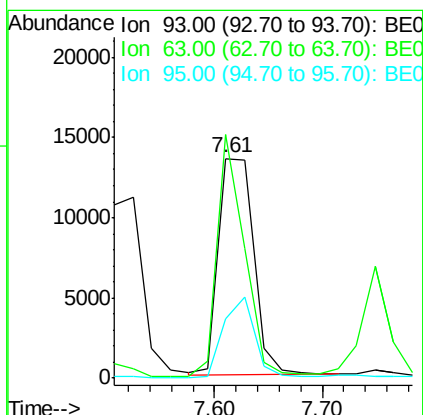
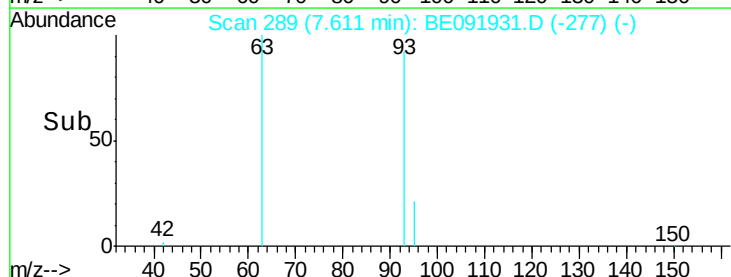
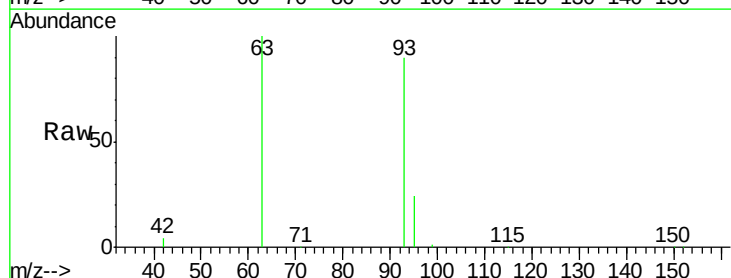
Tgt Ion: 93 Resp: 30633

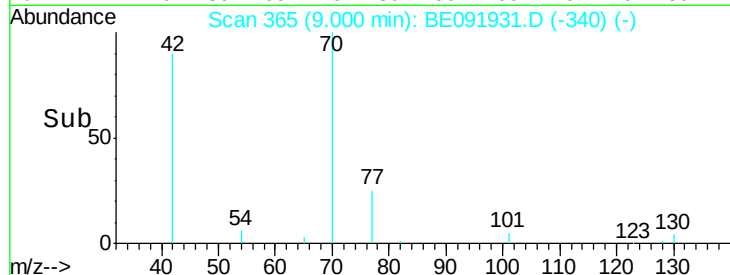
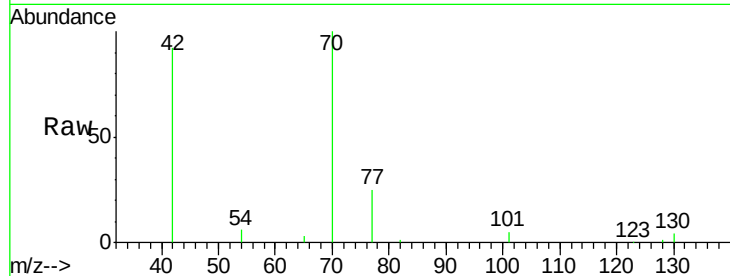
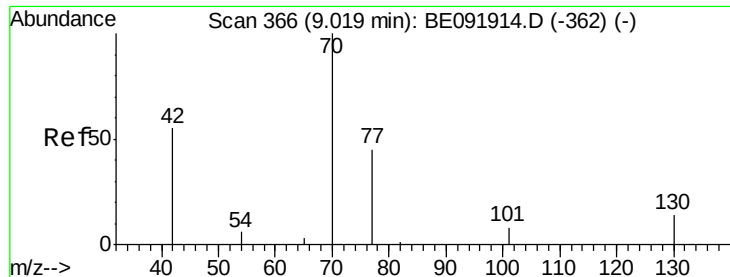
Ion Ratio Lower Upper

93 100

63 86.3 66.2 99.4

95 32.6 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 3.30 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

Tgt Ion: 70 Resp: 24014

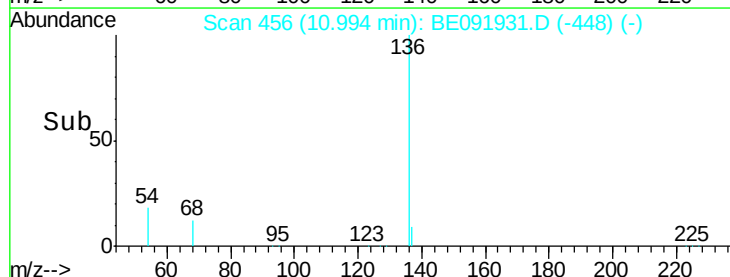
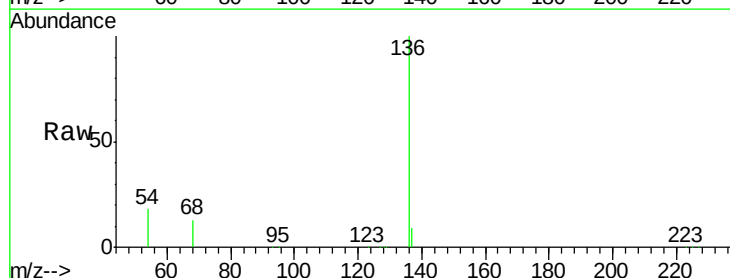
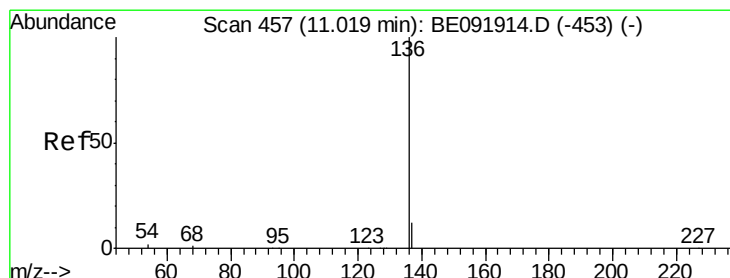
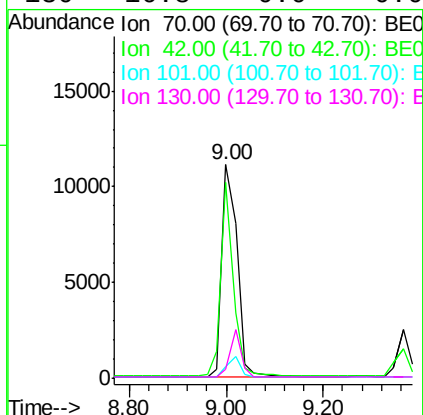
Ion Ratio Lower Upper

70 100

42 75.1 58.4 87.6

101 8.5 6.4 9.6

130 16.8 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: BE091931.D

Acq: 15 Jun 2016 19:00

Tgt Ion: 136 Resp: 111904

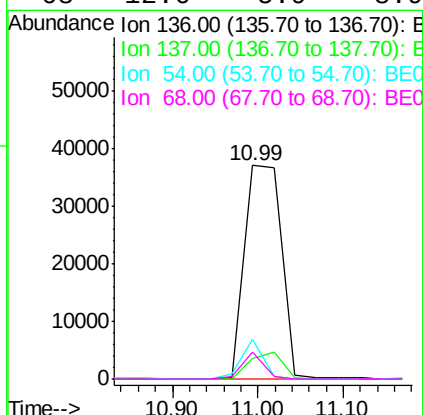
Ion Ratio Lower Upper

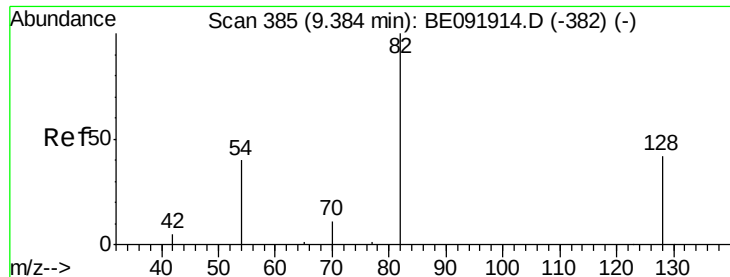
136 100

137 9.5 8.3 12.5

54 18.4 8.2 12.4#

68 12.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.25 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

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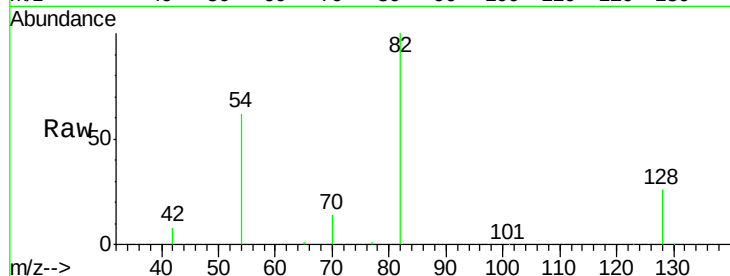
Tgt Ion: 82 Resp: 32815

Ion Ratio Lower Upper

82 100

128 25.9 39.5 59.3#

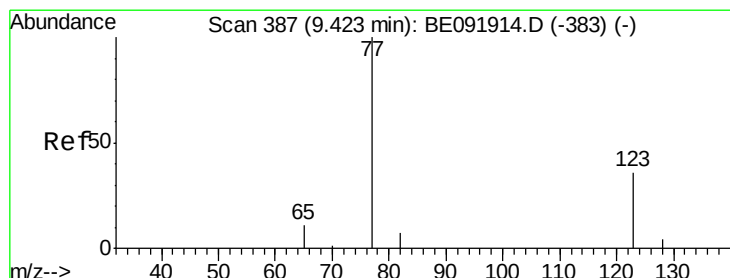
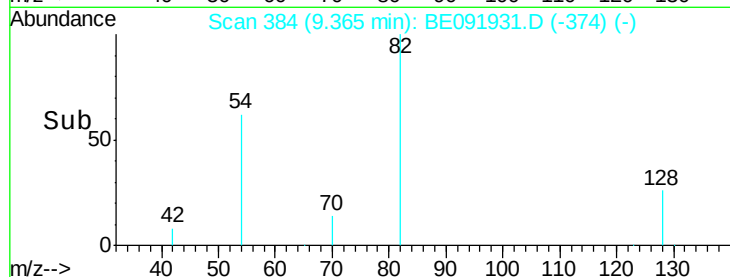
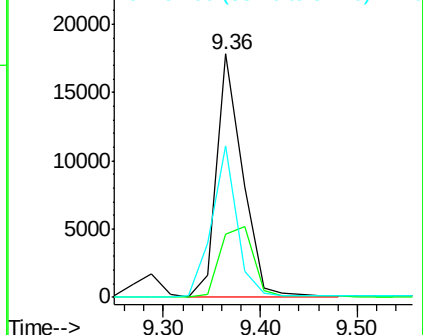
54 62.2 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 4.00 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

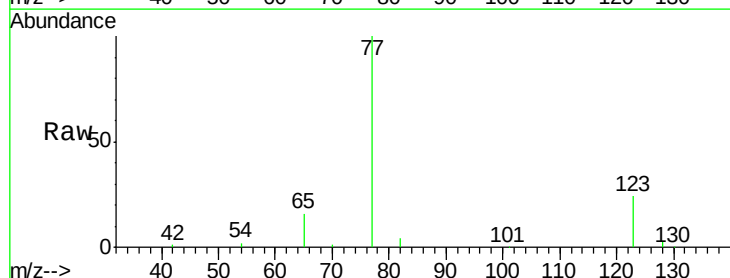
Tgt Ion: 77 Resp: 35064

Ion Ratio Lower Upper

77 100

123 37.8 0.0 0.0#

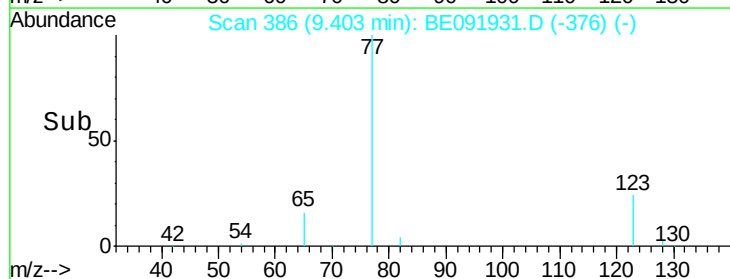
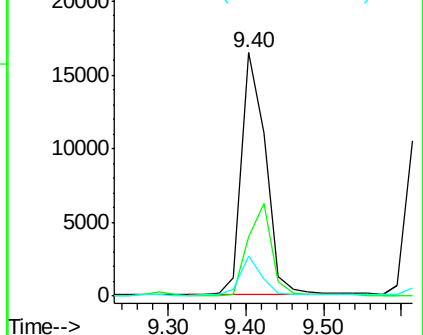
65 14.0 11.1 16.7

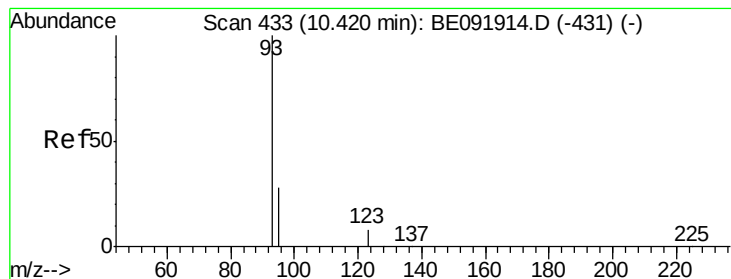


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

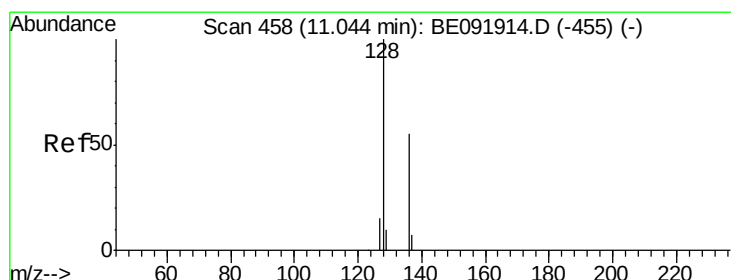
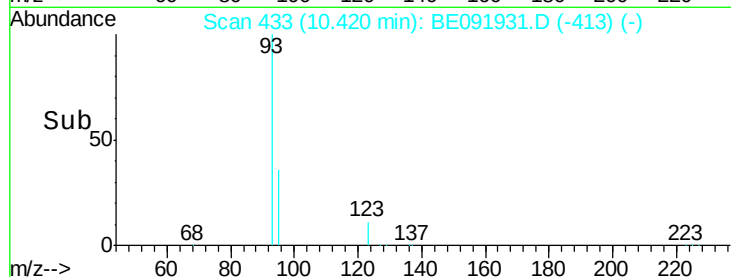
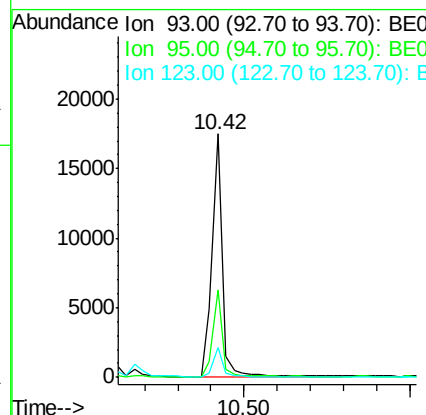
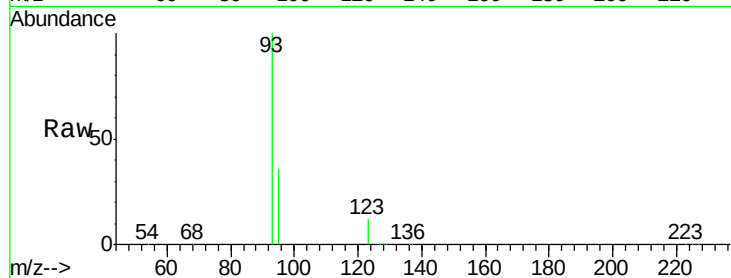




#11
 bis(2-Chloroethoxy)methane
 Concen: 3.86 ng
 RT: 10.42 min Scan# 433
 Delta R.T. -0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

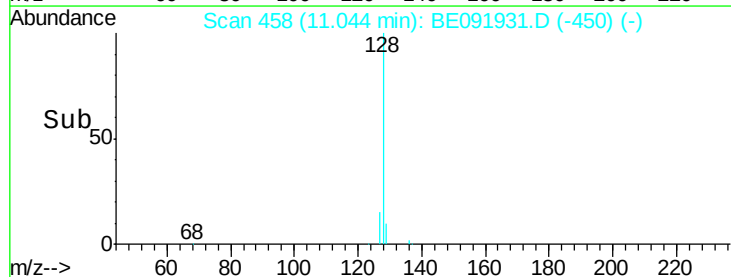
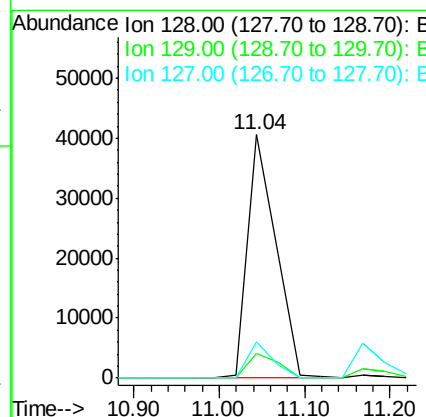
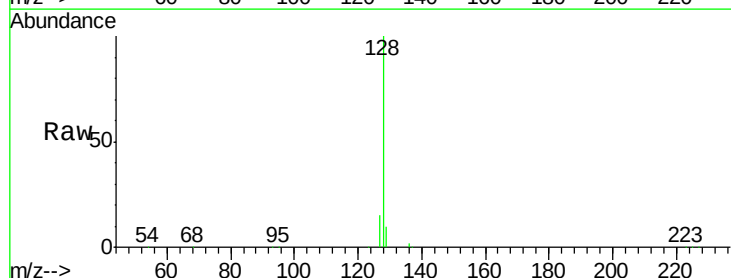
Instrument :
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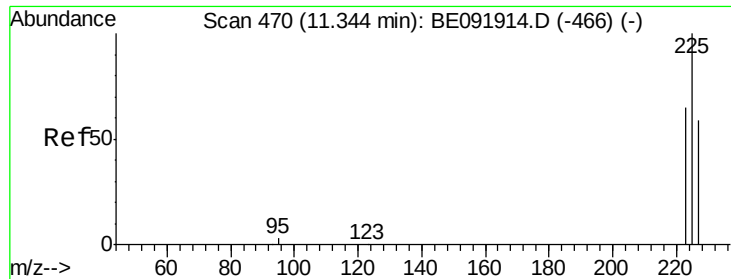
Tgt Ion: 93 Resp: 37853
 Ion Ratio Lower Upper
 93 100
 95 32.9 57.6 86.4#
 123 10.7 100.2 150.4#



#12
 Naphthalene
 Concen: 3.81 ng
 RT: 11.04 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

Tgt Ion: 128 Resp: 93118
 Ion Ratio Lower Upper
 128 100
 129 10.0 10.4 15.6#
 127 14.9 10.2 15.2

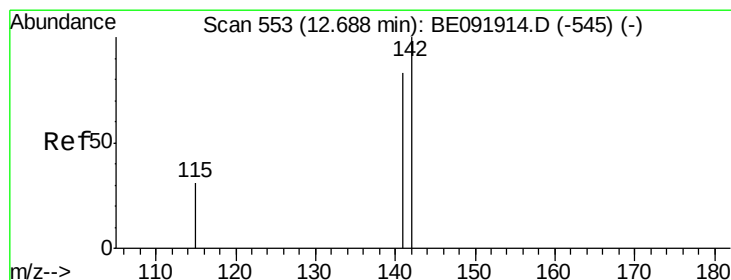
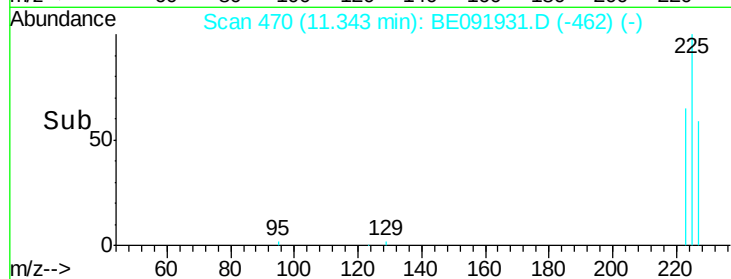
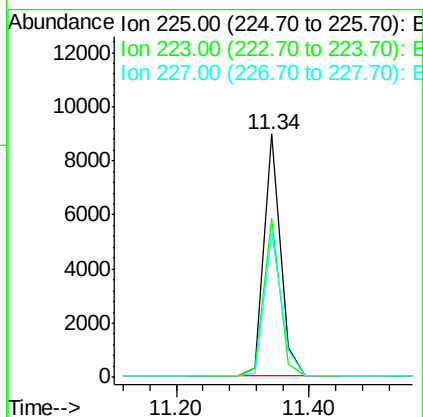
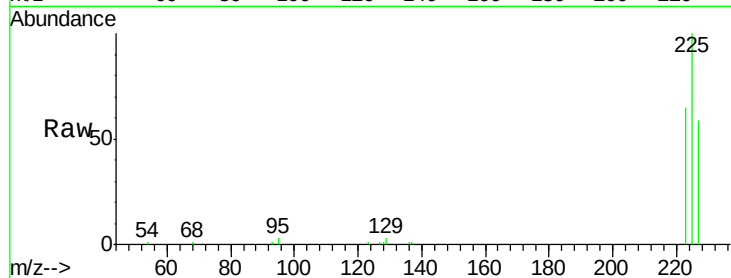




#13
Hexachlorobutadiene
Concen: 3.93 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

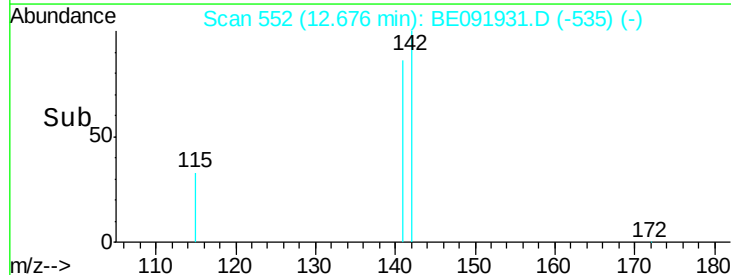
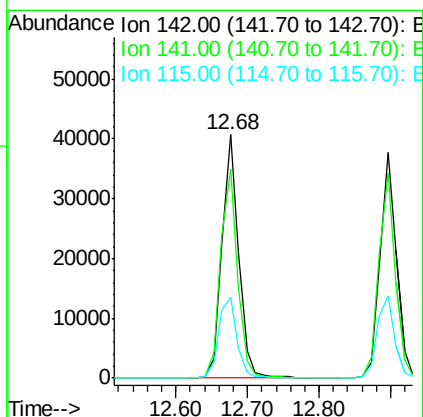
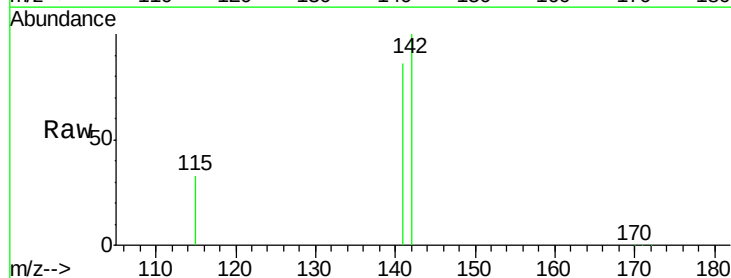
Instrument :
BNA_E
ClientSampleId :
PB91035BS

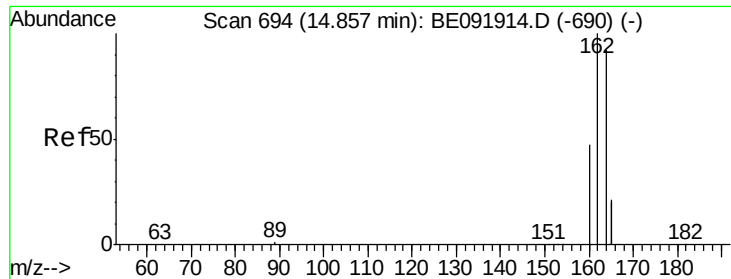
Tgt Ion: 225 Resp: 15521
Ion Ratio Lower Upper
225 100
223 64.0 49.8 74.8
227 61.9 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.92 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

Tgt Ion: 142 Resp: 65033
Ion Ratio Lower Upper
142 100
141 85.7 71.9 107.9
115 33.3 29.9 44.9

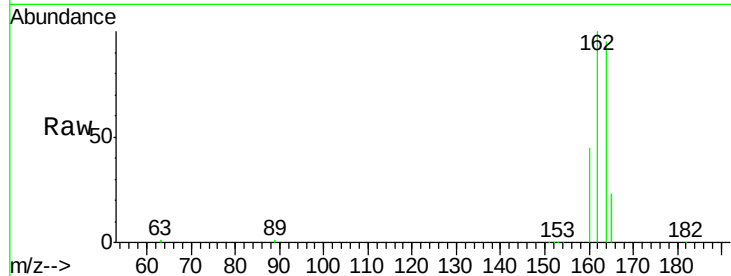




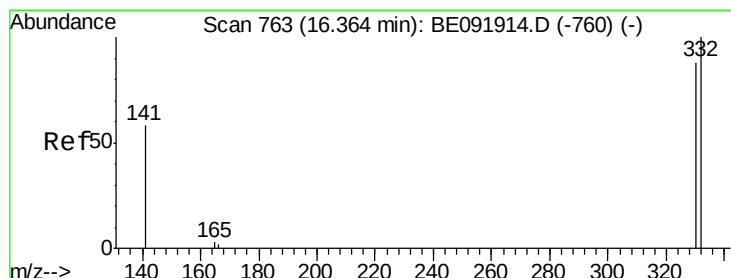
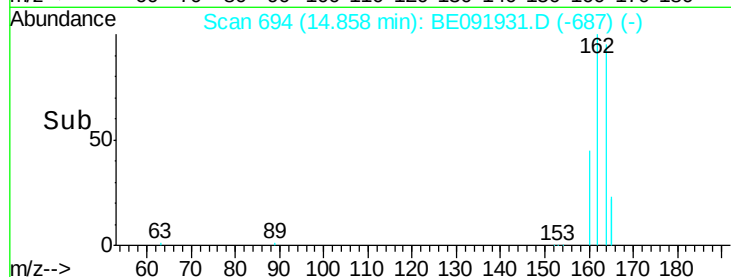
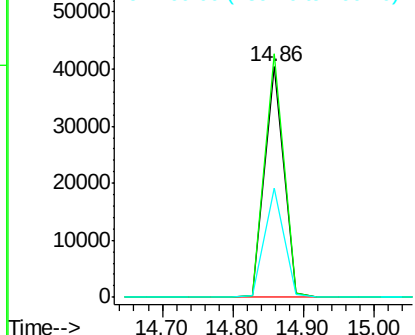
#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Tgt Ion:164 Resp: 74728
 Ion Ratio Lower Upper
 164 100
 162 105.5 71.8 107.8
 160 47.6 28.0 42.0#

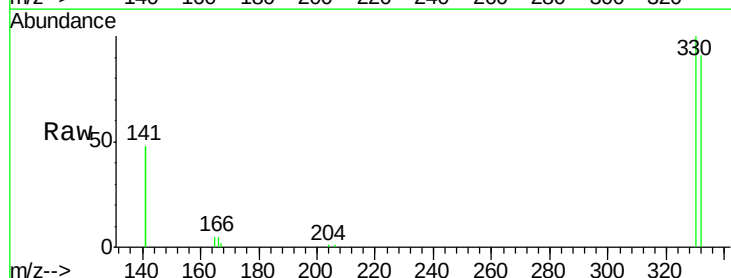


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

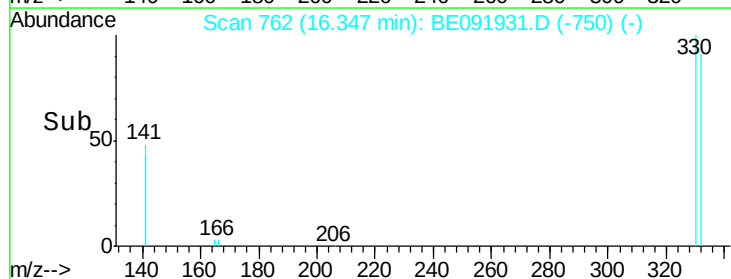
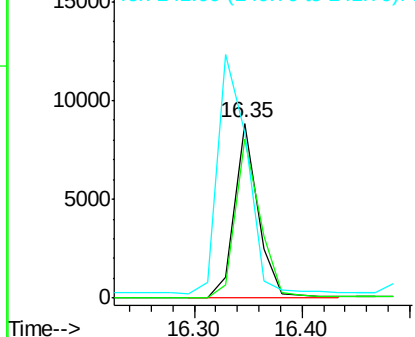


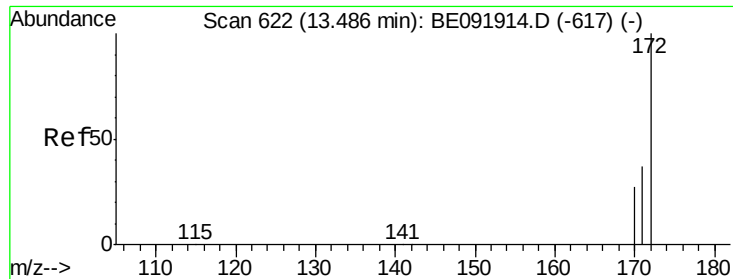
#16
 2,4,6-Tribromophenol
 Concen: 6.74 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

Tgt Ion:330 Resp: 13074
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 173.5 138.4 207.6



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

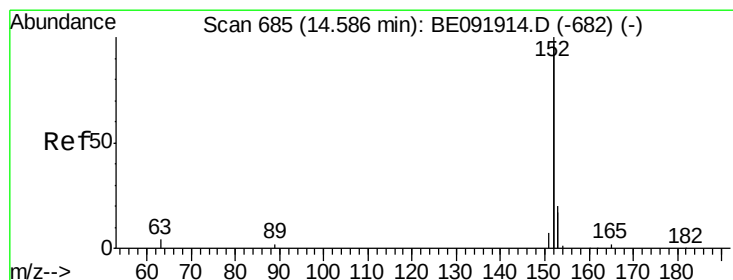
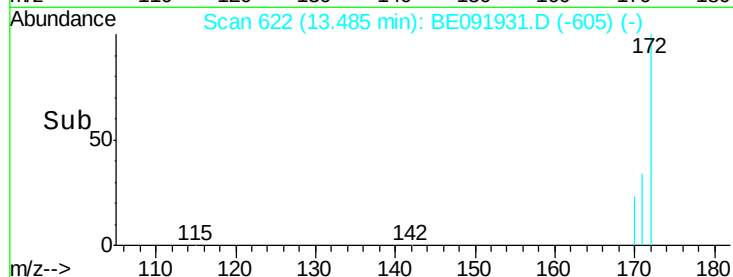
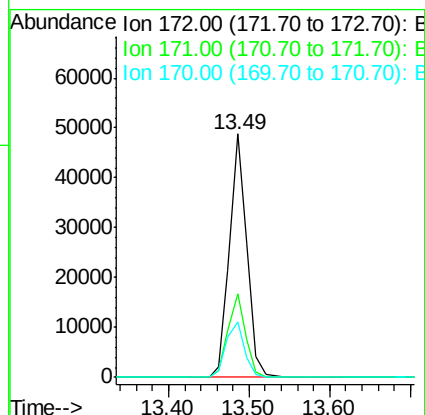
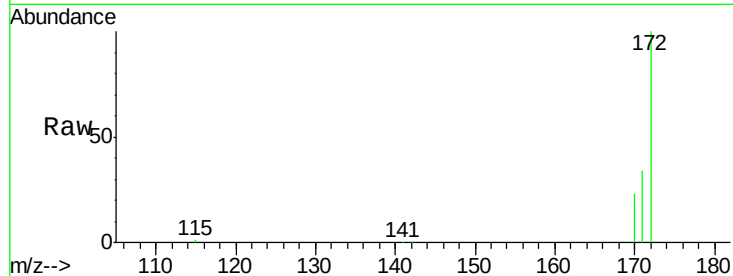




#17
2-Fluorobiphenyl
Concen: 3.82 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

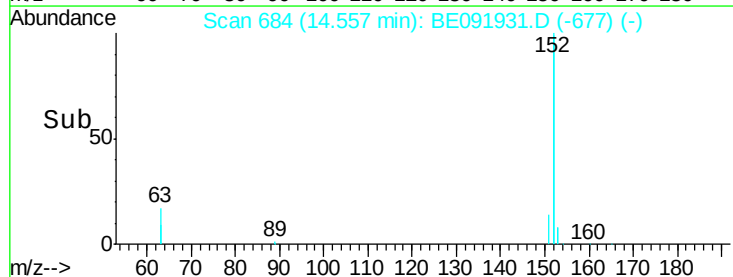
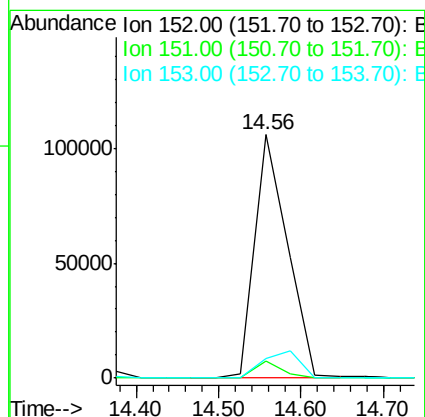
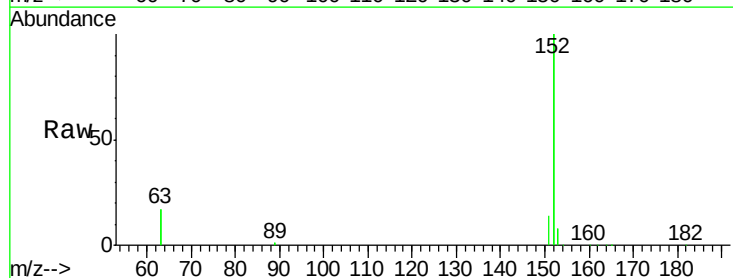
Instrument :
BNA_E
ClientSampleId :
PB91035BS

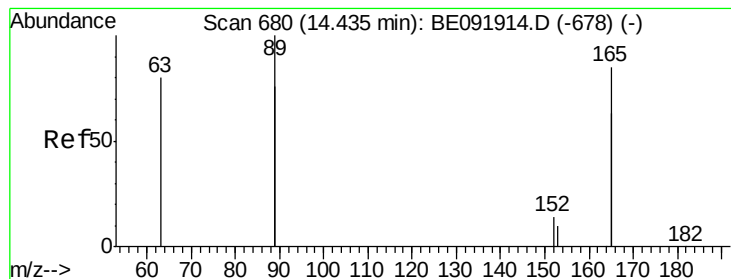
Tgt Ion:172 Resp: 72445
Ion Ratio Lower Upper
172 100
171 34.2 24.3 36.5
170 22.6 14.9 22.3#



#18
Acenaphthylene
Concen: 3.86 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

Tgt Ion:152 Resp: 292476
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.60 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

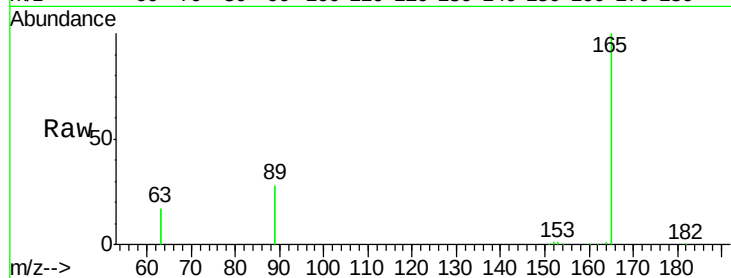
Tgt Ion:165 Resp: 58694

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

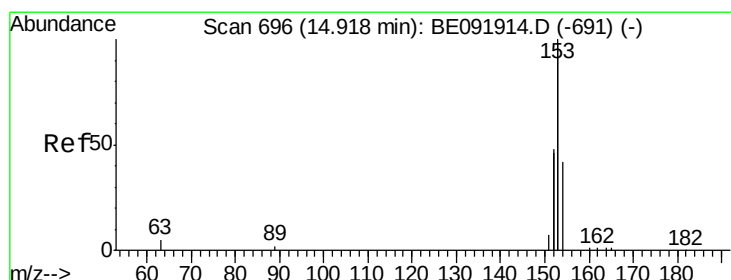
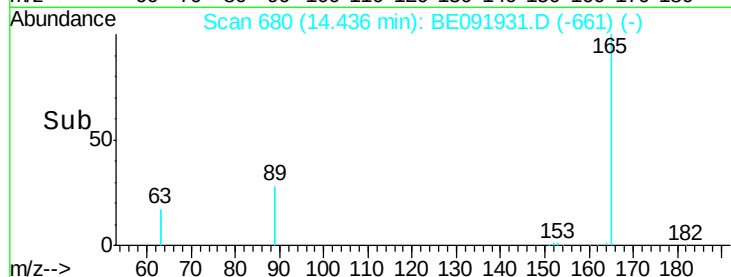
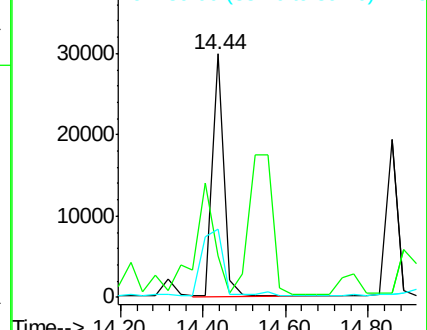
89 49.6 59.1 88.7#



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: 3.81 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

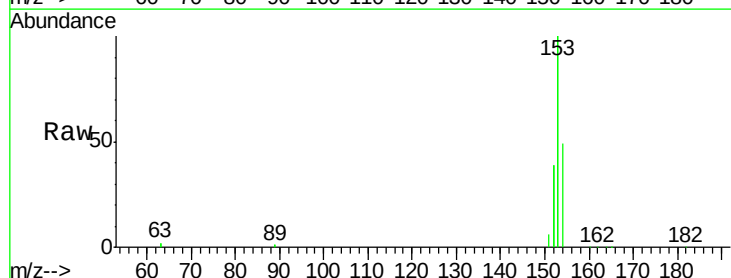
Tgt Ion:154 Resp: 79660

Ion Ratio Lower Upper

154 100

153 400.8 88.1 132.1#

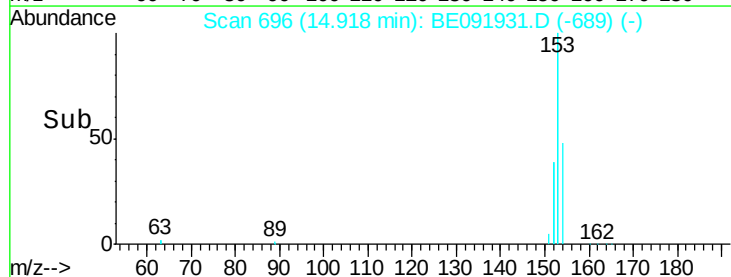
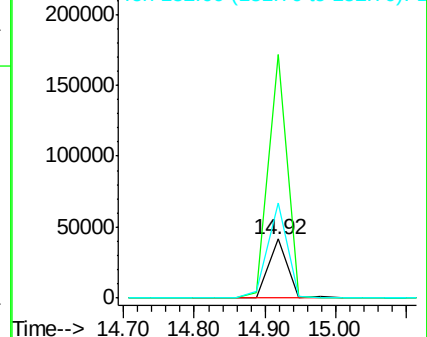
152 165.1 44.2 66.2#

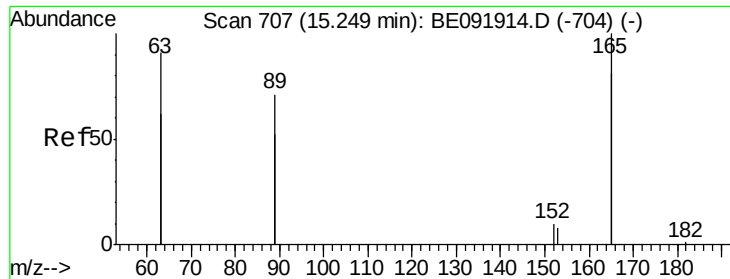


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

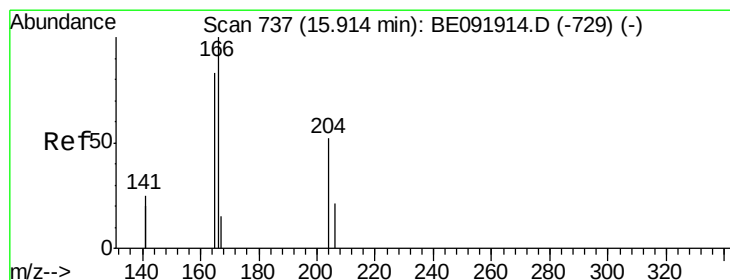
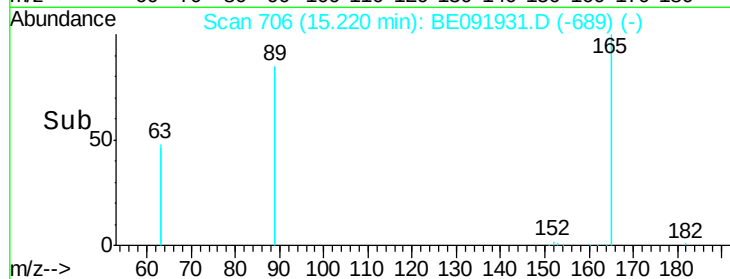
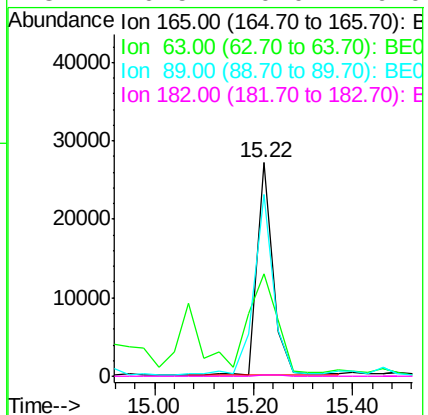
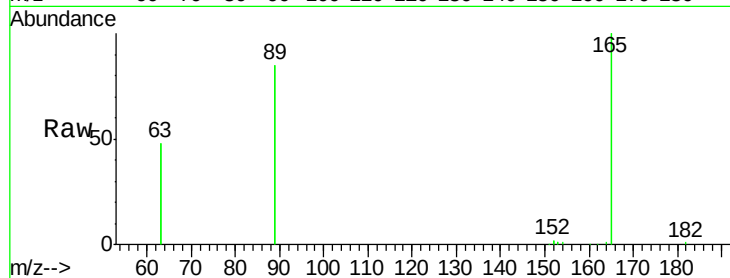




#21
2,4-Dinitrotoluene
Concen: 4.04 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

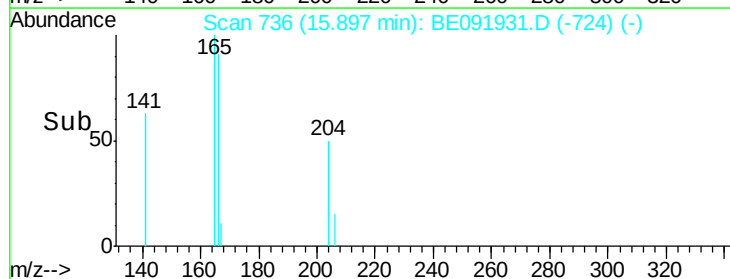
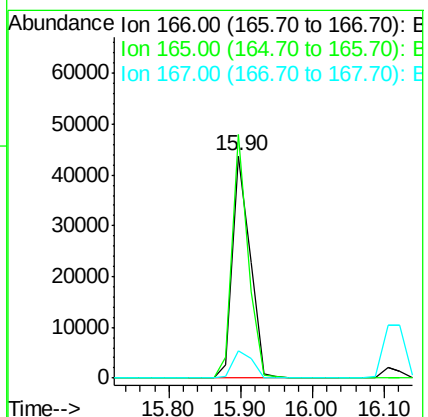
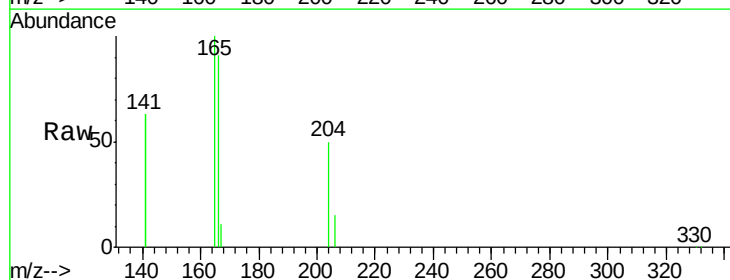
Instrument :
BNA_E
ClientSampleId :
PB91035BS

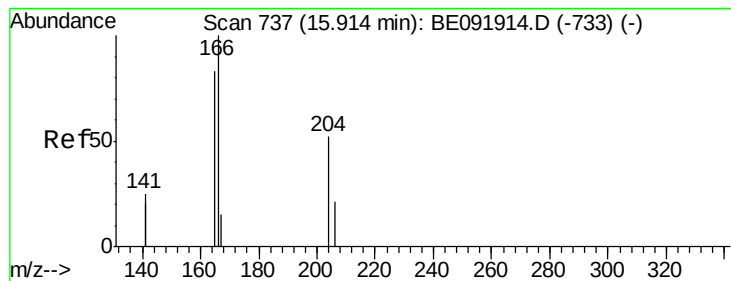
Tgt Ion:165 Resp: 60059
Ion Ratio Lower Upper
165 100
63 81.7 0.0 0.0#
89 104.8 99.8 149.8
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 3.51 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

Tgt Ion:166 Resp: 72897
Ion Ratio Lower Upper
166 100
165 99.7 78.6 117.8
167 13.6 10.8 16.2





#23

4-Chlorophenyl-phenylether

Concen: 3.50 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

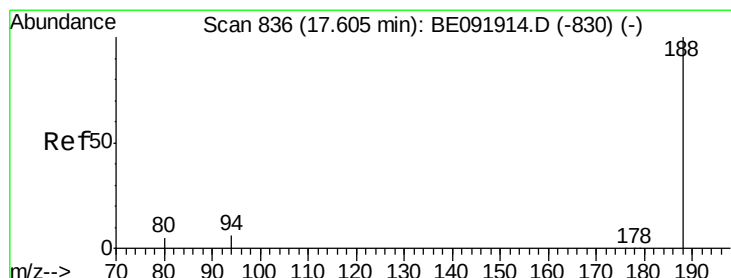
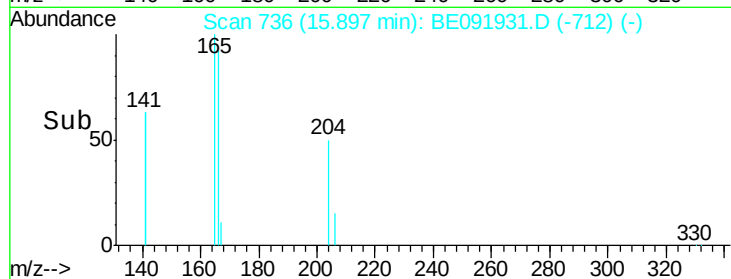
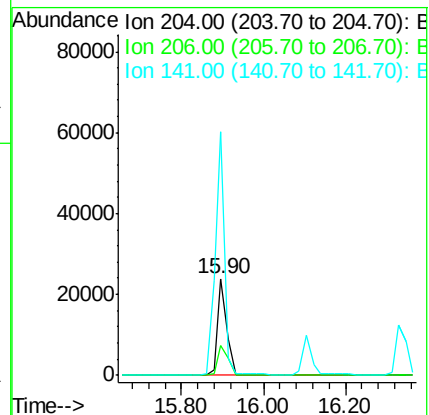
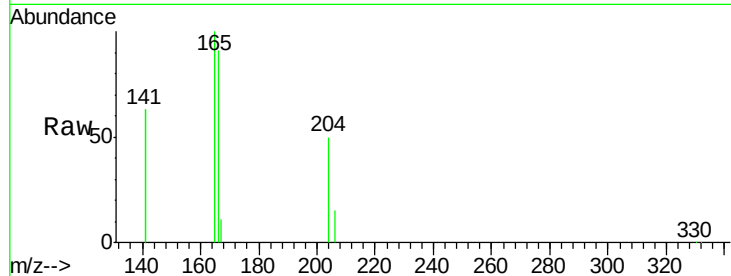
Tgt Ion:204 Resp: 35893

Ion Ratio Lower Upper

204 100

206 33.7 27.8 41.6

141 254.4 197.6 296.4



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. -0.01 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

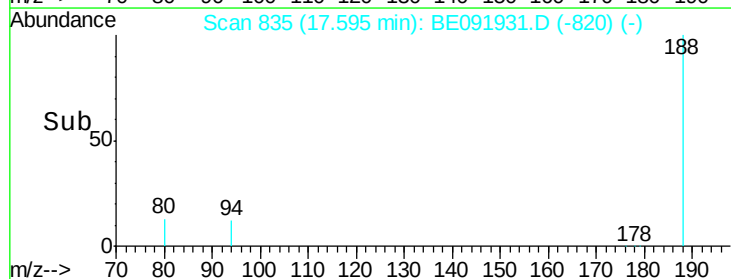
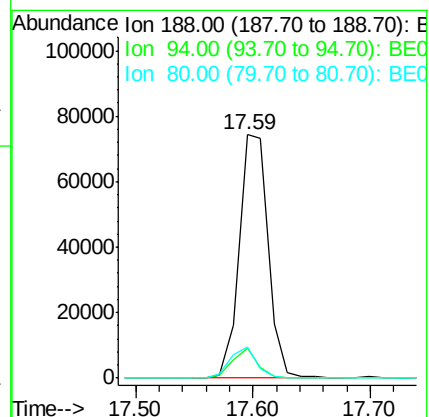
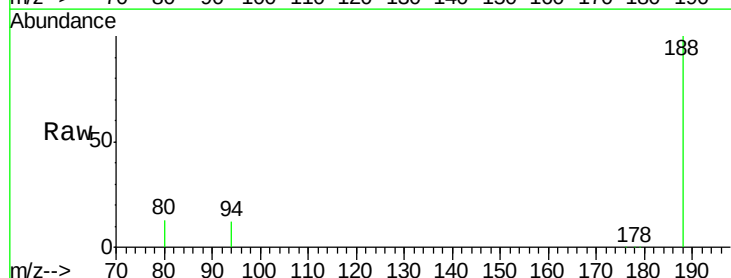
Tgt Ion:188 Resp: 127523

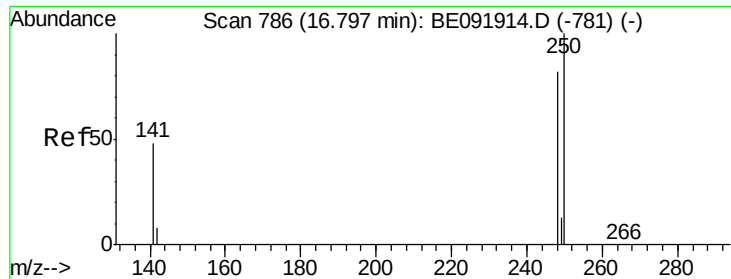
Ion Ratio Lower Upper

188 100

94 12.2 4.1 6.1#

80 12.7 3.4 5.2#

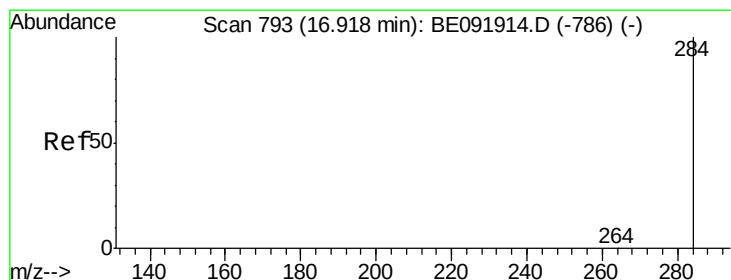
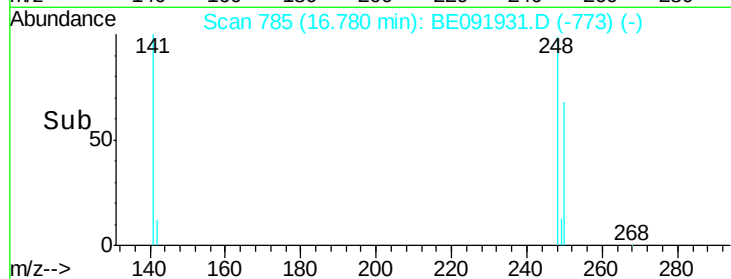
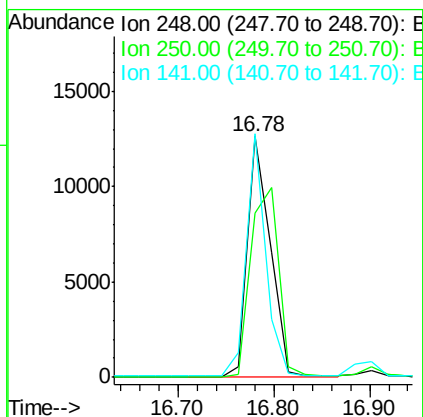
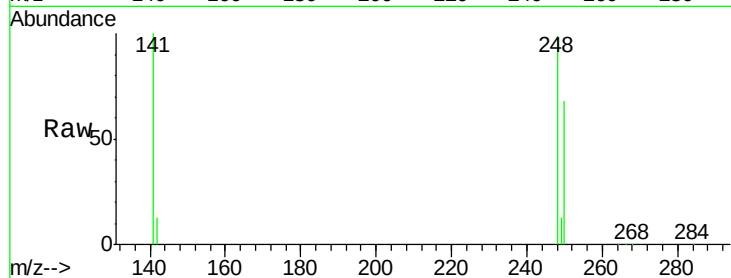




#25
4-Bromophenyl-phenylether
Concen: 4.20 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

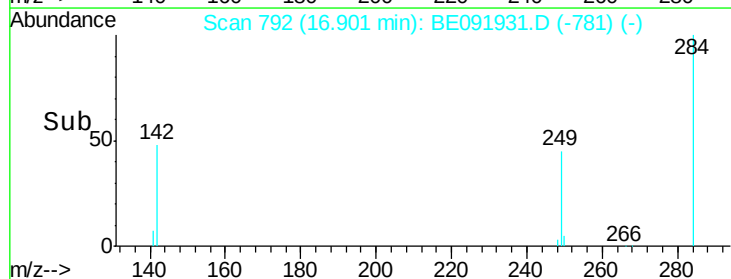
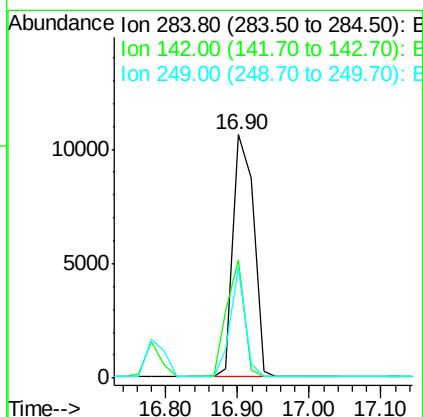
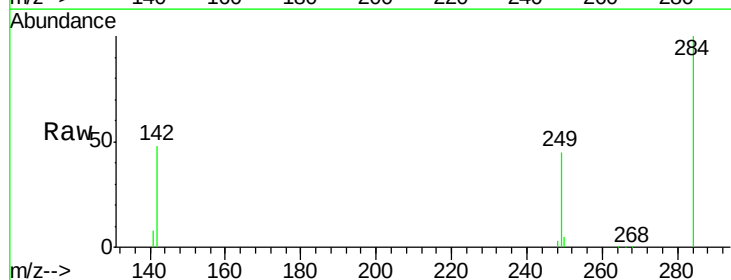
Instrument :
BNA_E
ClientSampleId :
PB91035BS

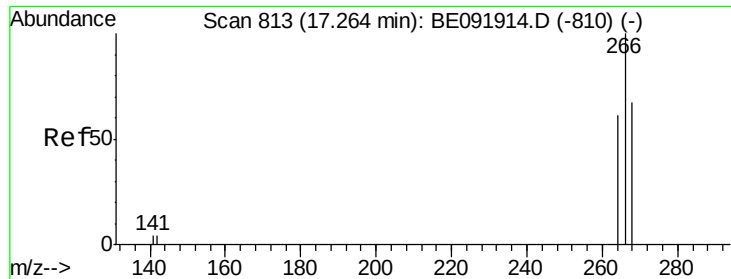
Tgt Ion:248 Resp: 20693
Ion Ratio Lower Upper
248 100
250 96.6 75.7 113.5
141 85.9 64.6 97.0



#26
Hexachlorobenzene
Concen: 4.10 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.02 min
Lab File: BE091931.D
Acq: 15 Jun 2016 19:00

Tgt Ion:284 Resp: 20755
Ion Ratio Lower Upper
284 100
142 41.6 31.4 47.2
249 32.9 25.3 37.9

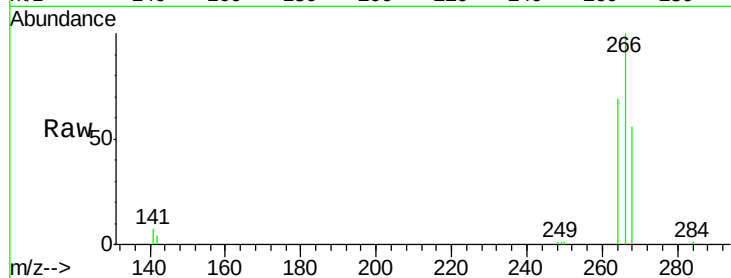




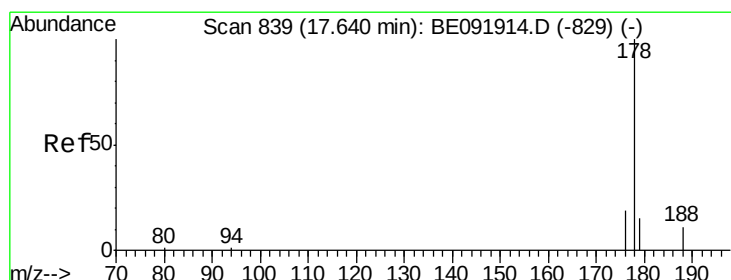
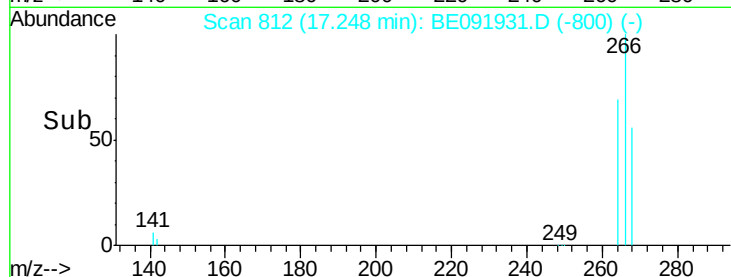
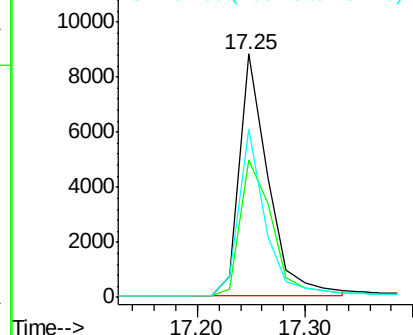
#27
 Pentachlorophenol
 Concen: 6.22 ng
 RT: 17.25 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Tgt Ion: 266 Resp: 16279
 Ion Ratio Lower Upper
 266 100
 268 56.4 60.5 90.7#
 264 69.0 51.0 76.4

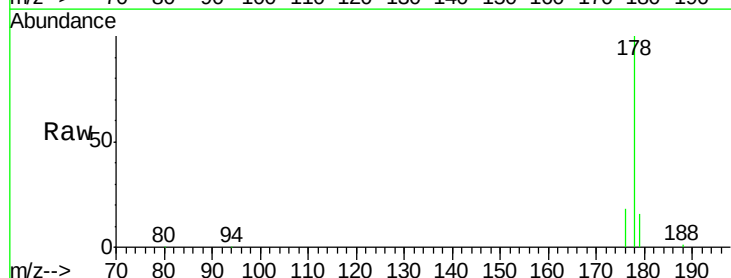


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

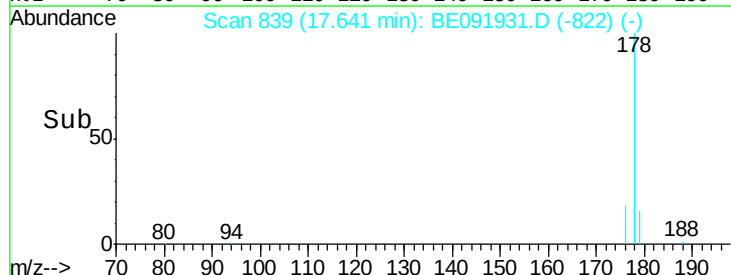
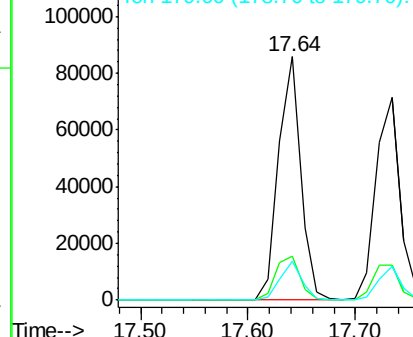


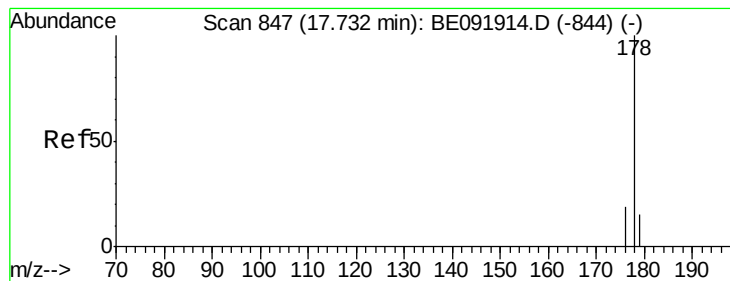
#28
 Phenanthrene
 Concen: 3.89 ng
 RT: 17.64 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BE091931.D
 Acq: 15 Jun 2016 19:00

Tgt Ion: 178 Resp: 123863
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.3 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: 4.05 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

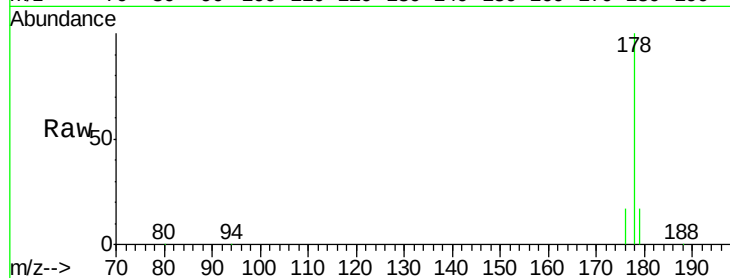
Tgt Ion:178 Resp: 114174

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

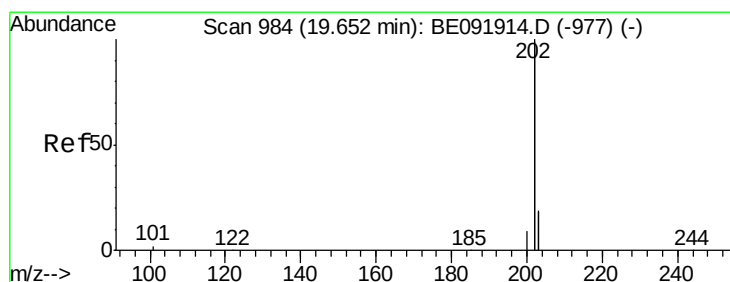
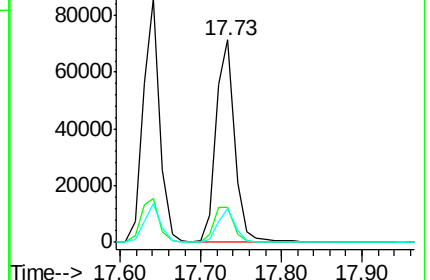
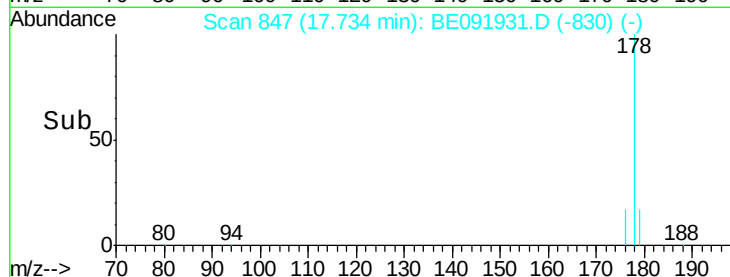
179 15.1 12.1 18.1



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: 3.40 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

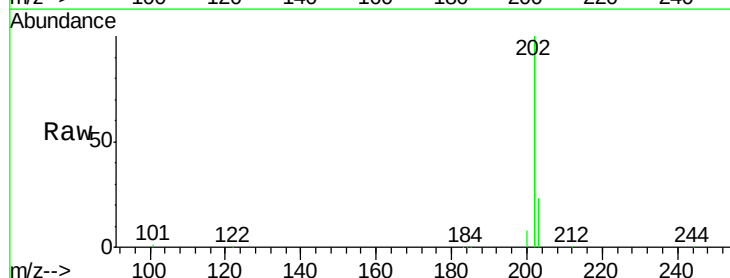
Tgt Ion:202 Resp: 463633

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

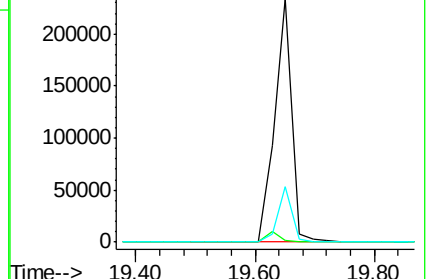
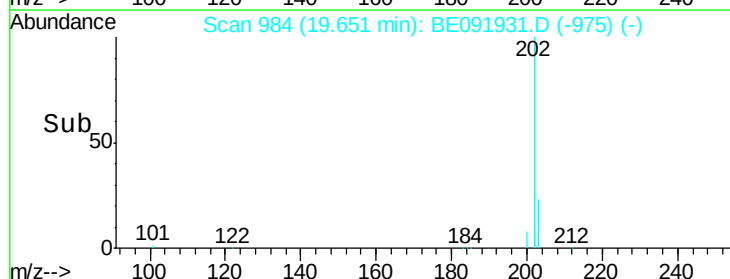
203 19.1 14.3 21.5

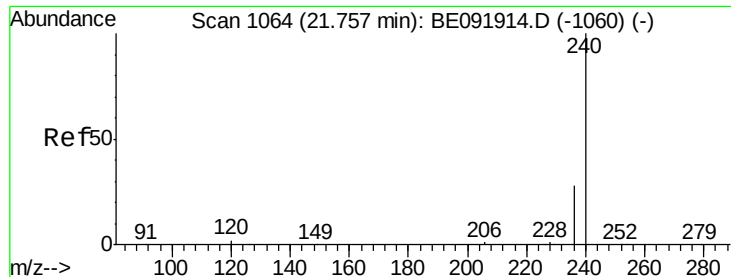


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

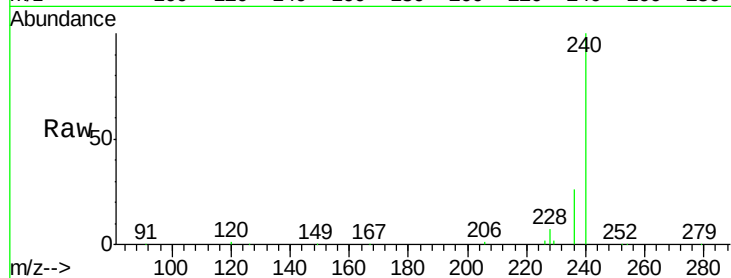
Tgt Ion:240 Resp: 191769

Ion Ratio Lower Upper

240 100

120 1.3 1.2 1.8

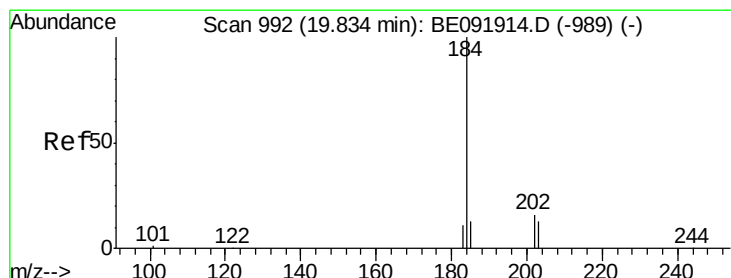
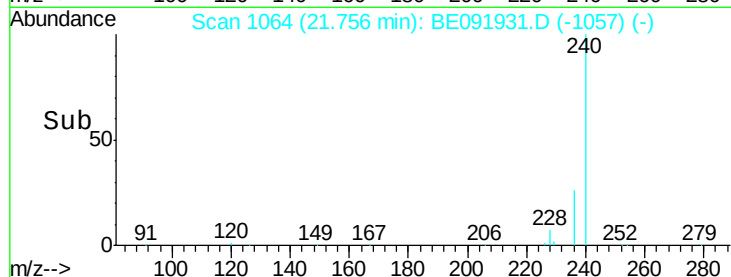
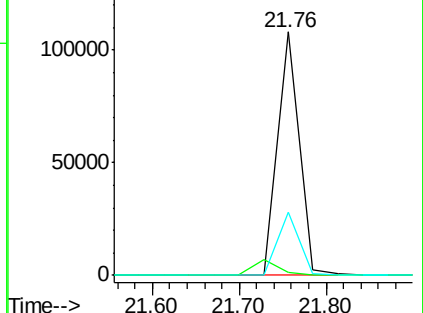
236 26.2 19.8 29.8



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: 0.87 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

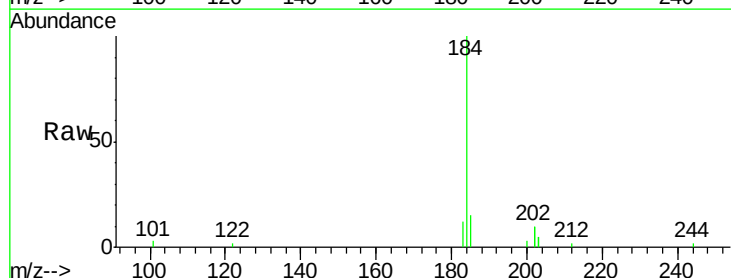
Tgt Ion:184 Resp: 6238

Ion Ratio Lower Upper

184 100

185 15.4 11.4 17.2

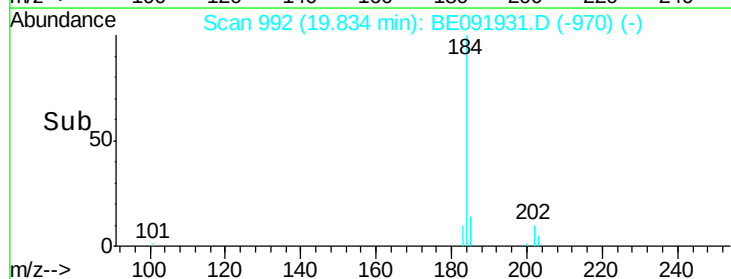
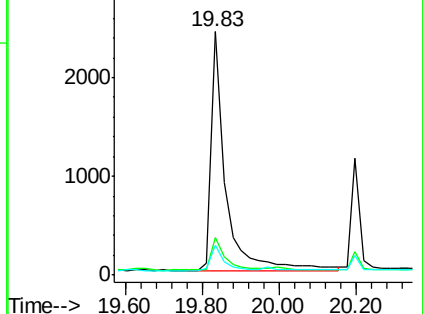
183 12.2 11.8 17.6

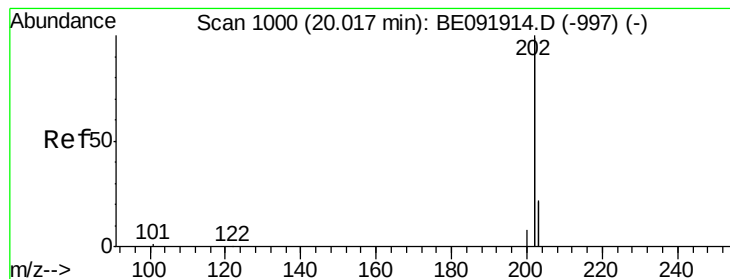


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.74 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

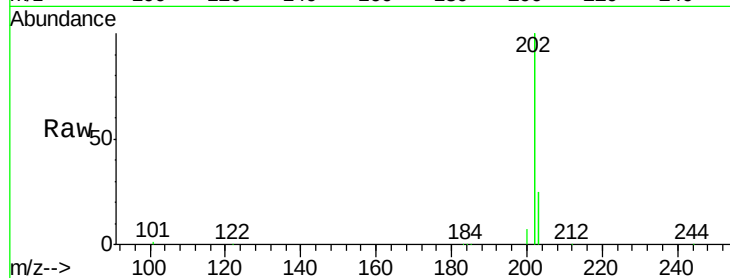
Tgt Ion: 202 Resp: 488020

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

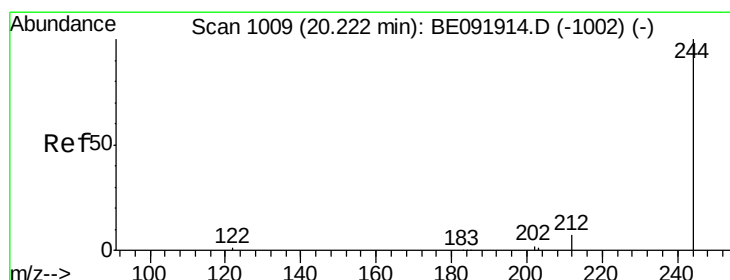
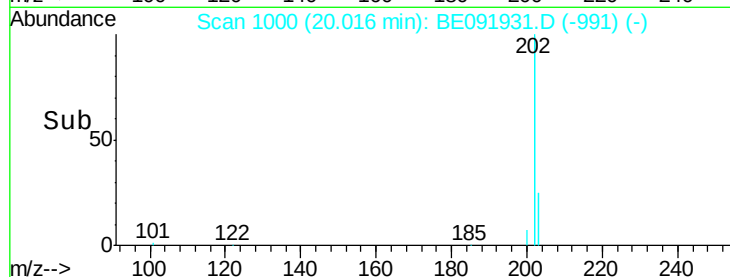
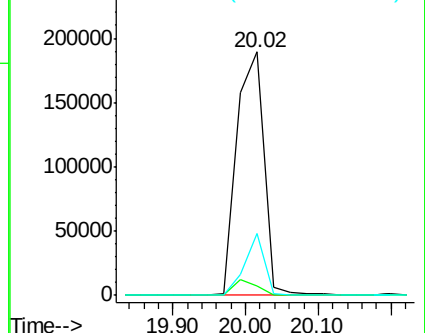
203 18.6 14.1 21.1



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: 3.39 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

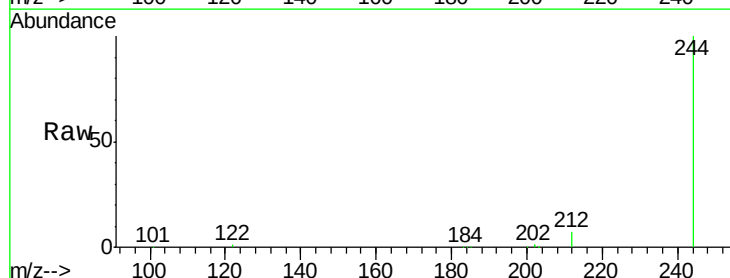
Tgt Ion: 244 Resp: 79627

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

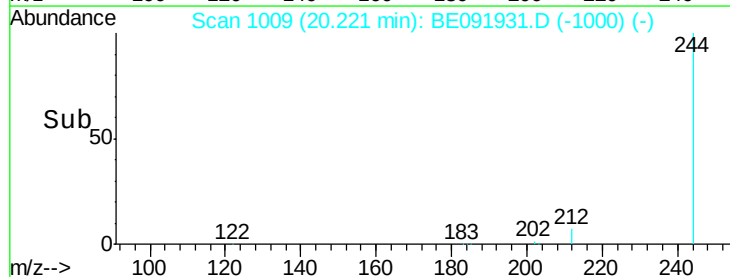
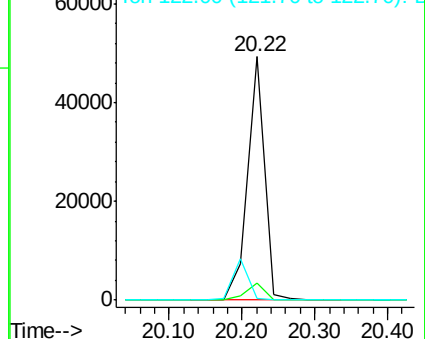
122 0.6 2.9 4.3#

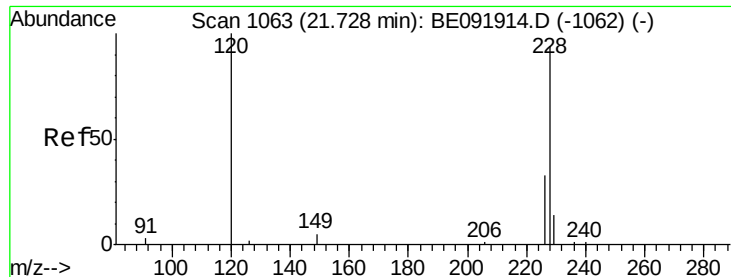


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 10.10 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

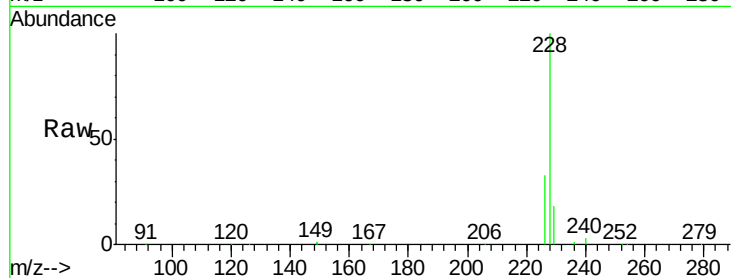
Tgt Ion: 228 Resp: 304281

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

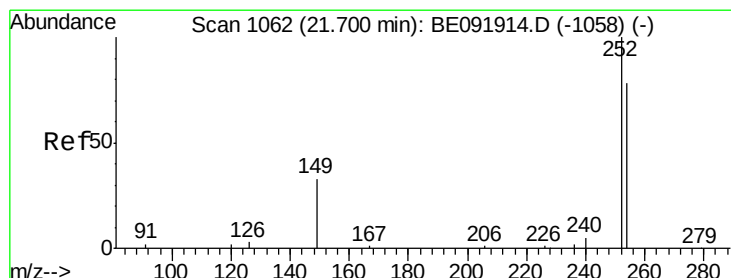
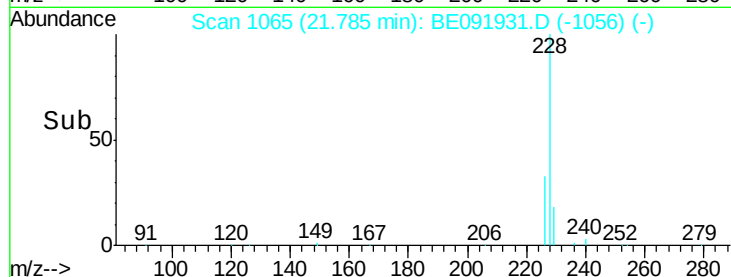
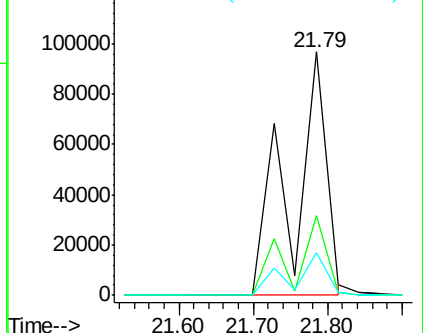
229 17.7 15.8 23.8



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: 2.38 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

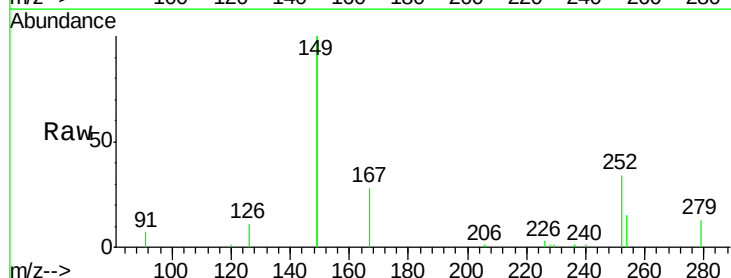
Tgt Ion: 252 Resp: 11616

Ion Ratio Lower Upper

252 100

254 42.6 61.5 92.3#

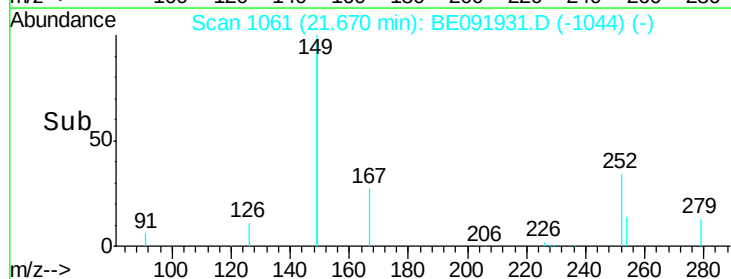
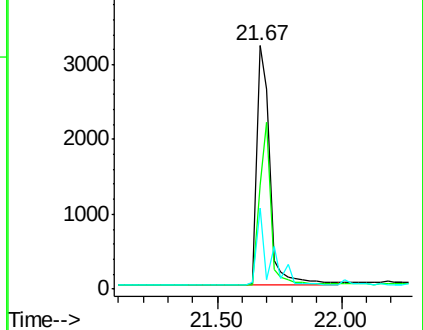
126 33.3 2.5 3.7#

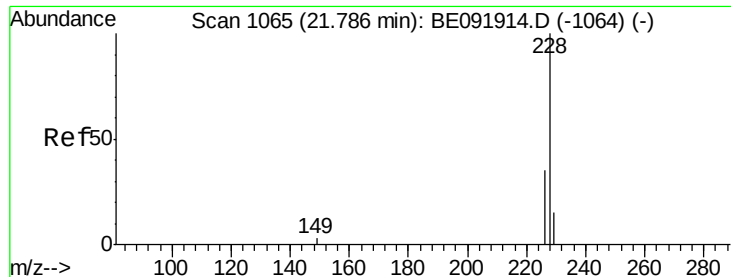


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.97 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

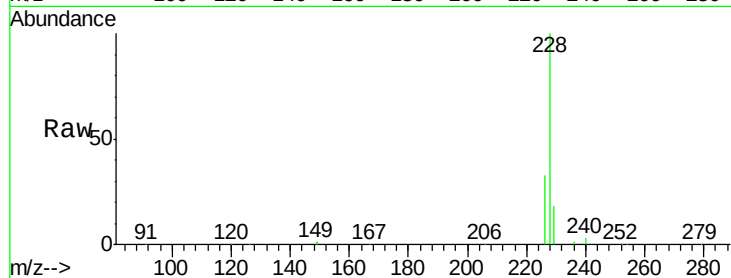
Tgt Ion:228 Resp: 306916

Ion Ratio Lower Upper

228 100

226 32.8 27.0 40.6

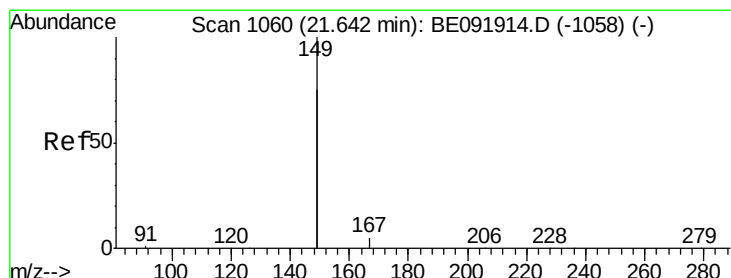
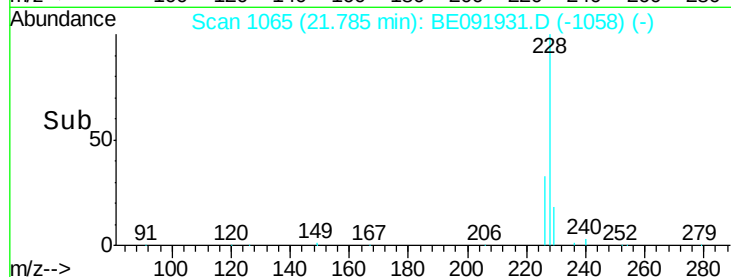
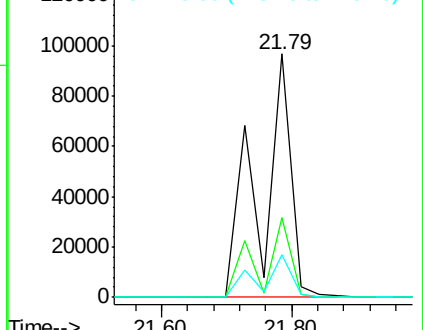
229 17.7 13.8 20.8



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: 3.46 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

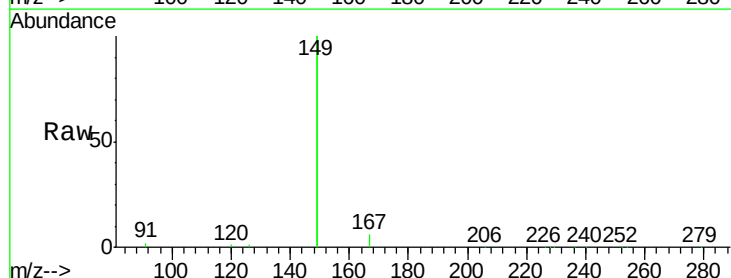
Tgt Ion:149 Resp: 88958

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

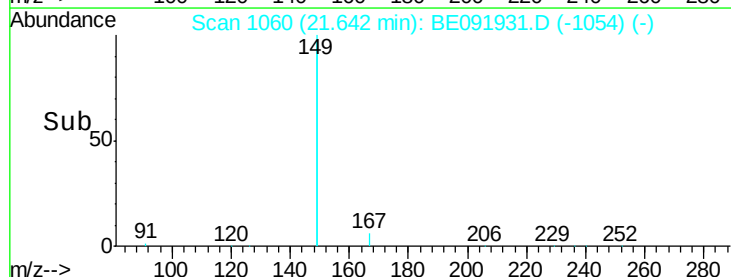
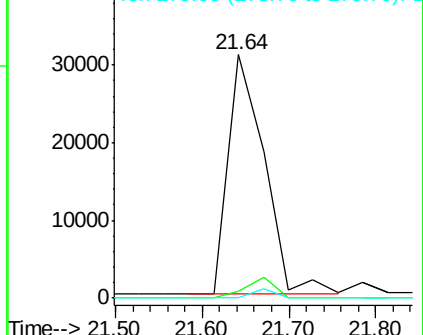
279 0.0 0.0 0.0

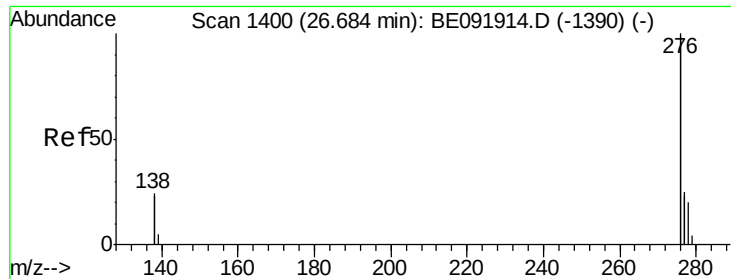


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.65 ng

RT: 26.69 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

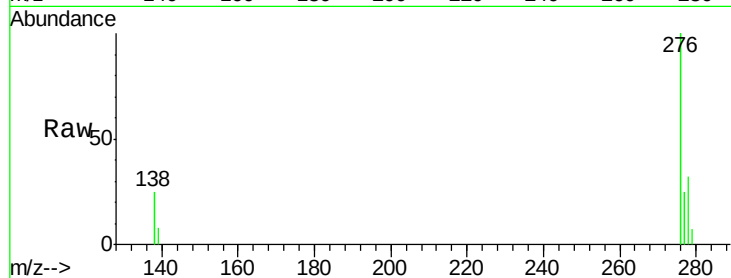
Tgt Ion: 276 Resp: 700556

Ion Ratio Lower Upper

276 100

138 26.9 19.7 29.5

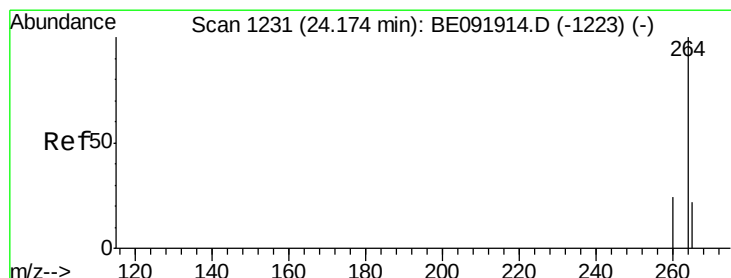
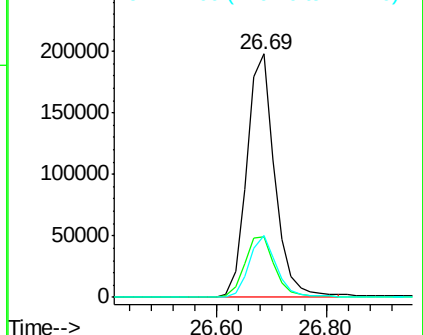
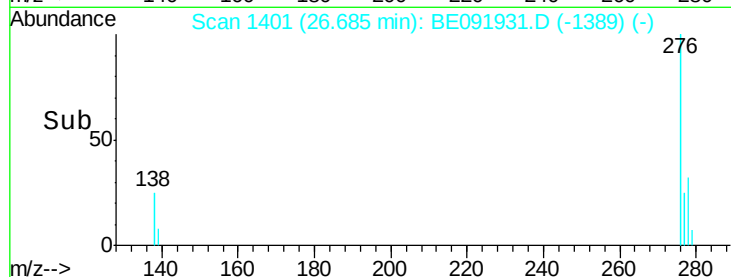
277 24.8 20.1 30.1



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: BE091931.D

Acq: 15 Jun 2016 19:00

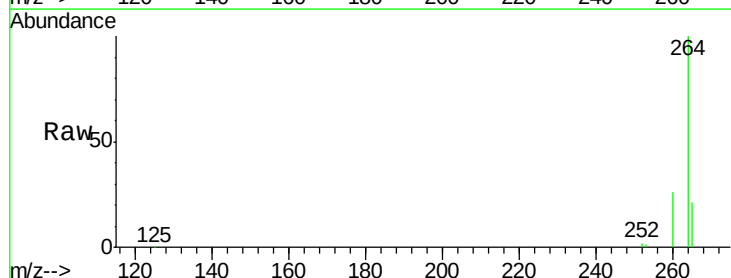
Tgt Ion: 264 Resp: 139986

Ion Ratio Lower Upper

264 100

260 26.2 20.3 30.5

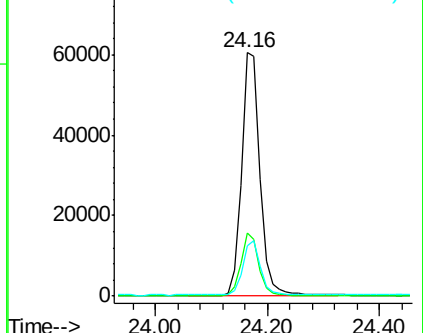
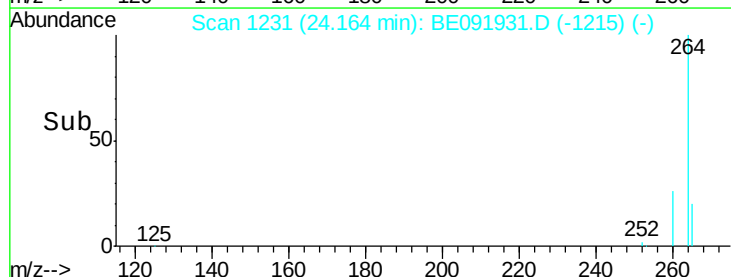
265 20.6 17.6 26.4

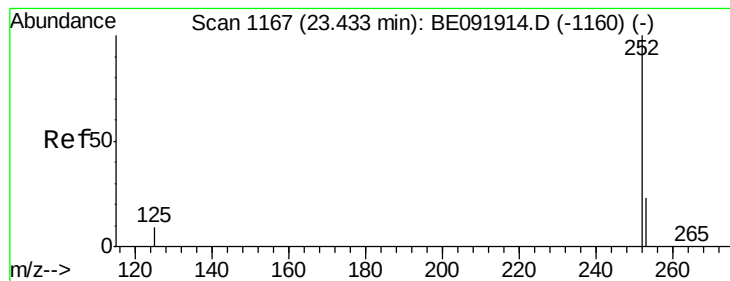


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.84 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

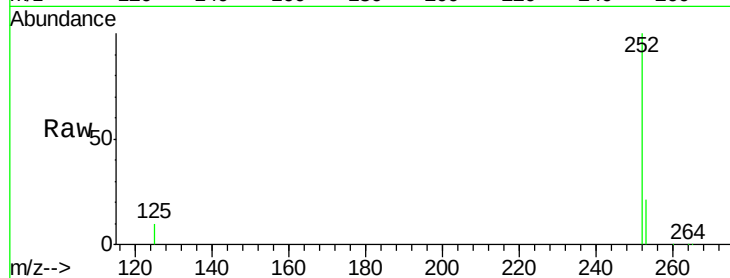
Tgt Ion:252 Resp: 138011

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

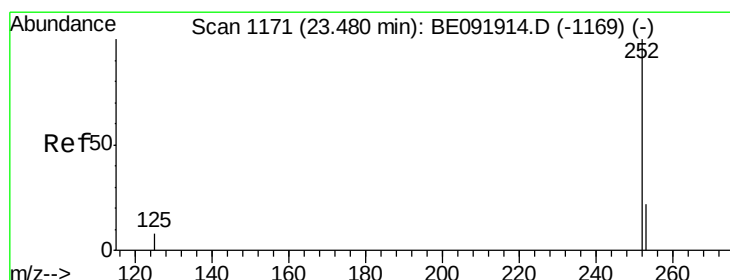
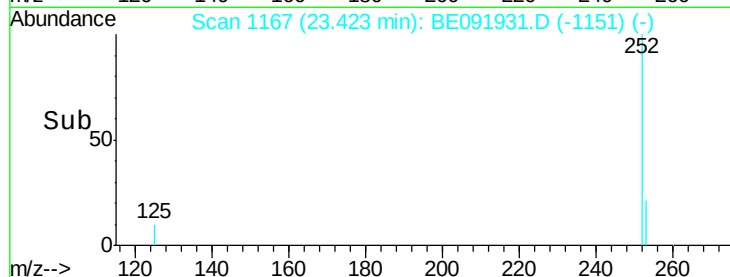
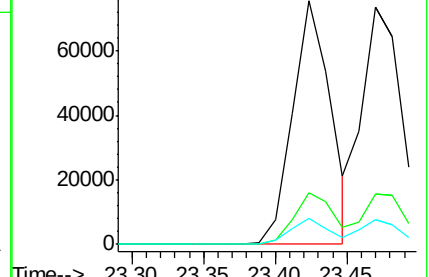
125 10.5 9.4 14.2



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: 4.39 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

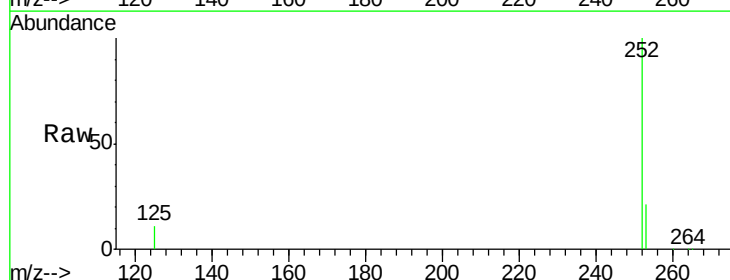
Tgt Ion:252 Resp: 144525

Ion Ratio Lower Upper

252 100

253 21.2 19.4 29.2

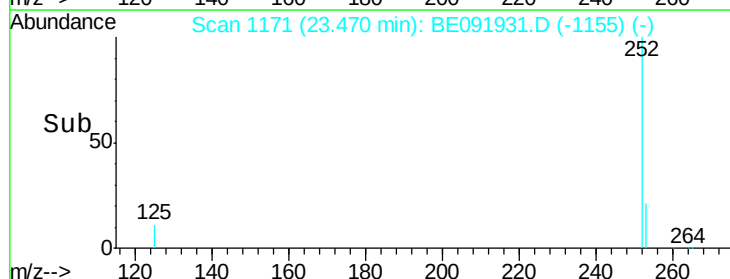
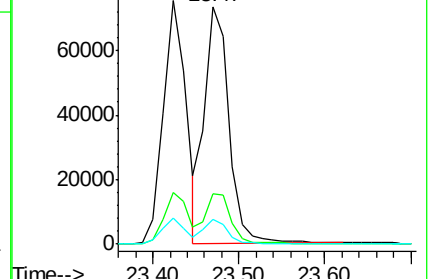
125 10.7 8.3 12.5

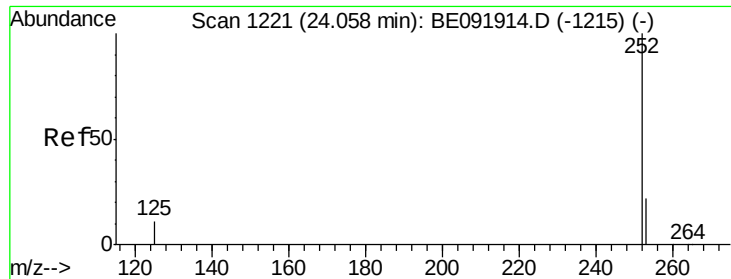


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.20 ng

RT: 24.05 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS

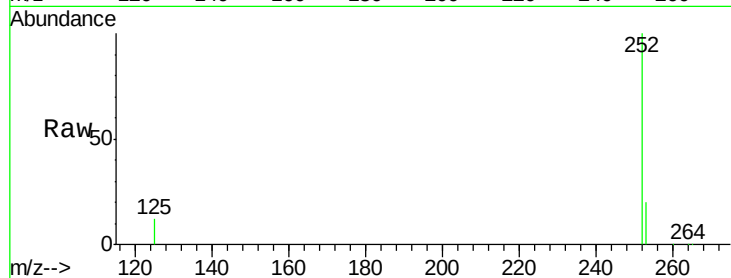
Tgt Ion: 252 Resp: 132041

Ion Ratio Lower Upper

252 100

253 20.4 18.9 28.3

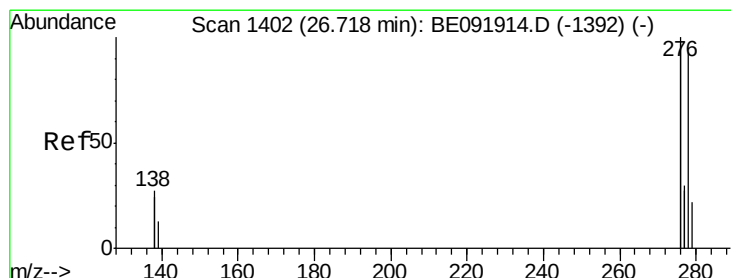
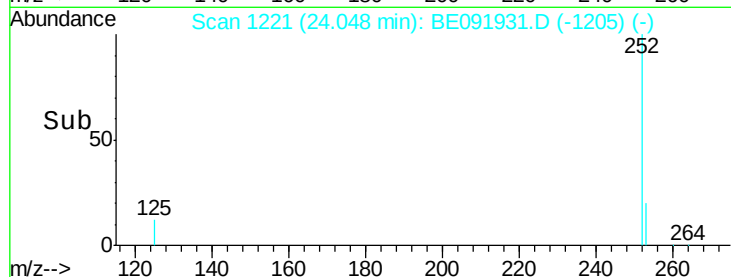
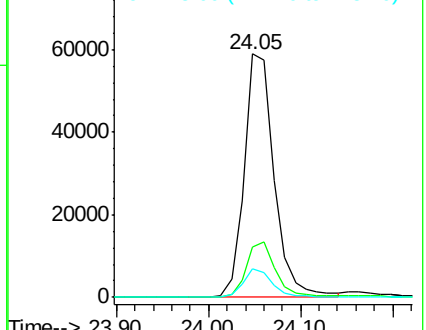
125 11.9 10.5 15.7



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: 4.82 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091931.D

Acq: 15 Jun 2016 19:00

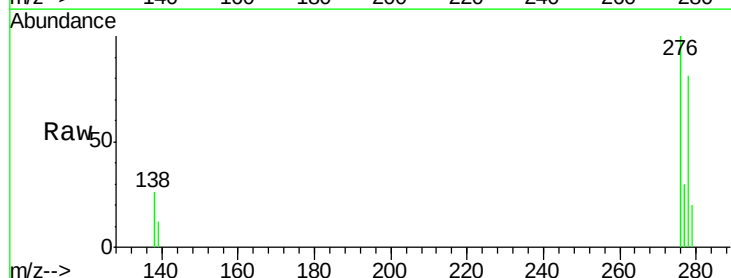
Tgt Ion: 278 Resp: 147212

Ion Ratio Lower Upper

278 100

139 15.3 12.6 18.8

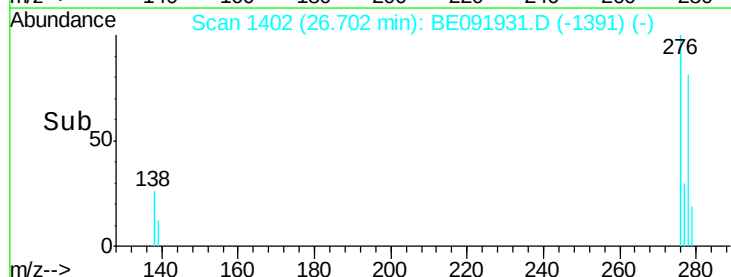
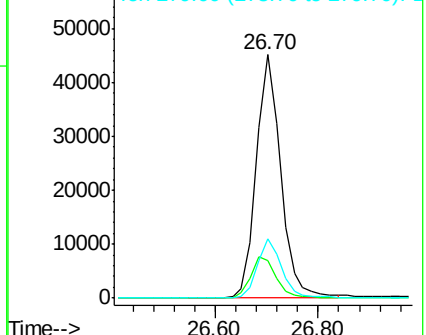
279 24.2 20.0 30.0

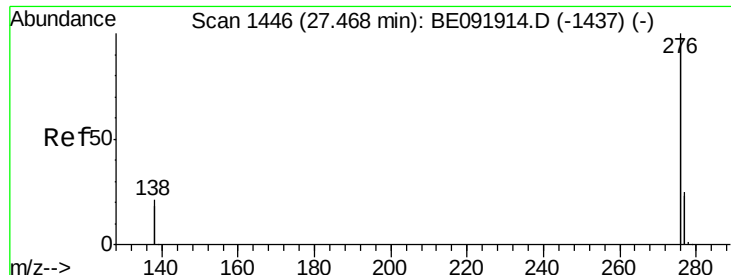


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.79 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091931.D

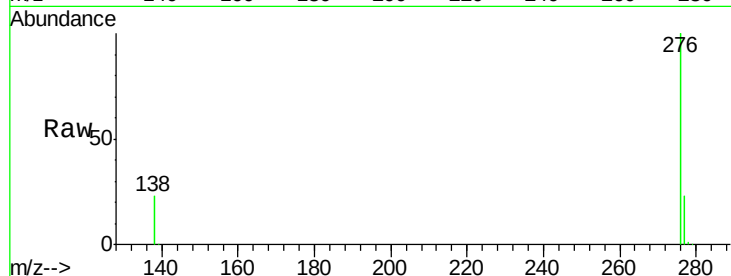
Acq: 15 Jun 2016 19:00

Instrument :

BNA_E

ClientSampleId :

PB91035BS



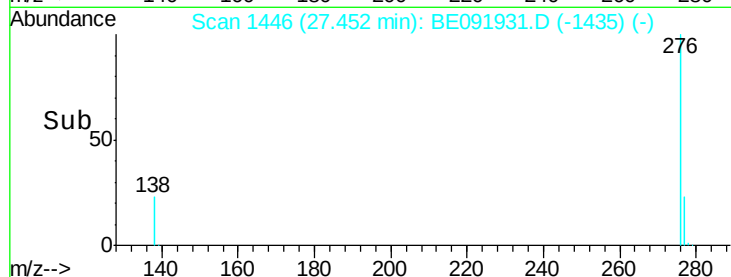
Tgt Ion: 276 Resp: 603905

Ion Ratio Lower Upper

276 100

277 23.0 19.5 29.3

138 23.0 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

