

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093112.D
 Acq On : 12 Jun 2017 21:34
 Operator : SJ/MA
 Sample : I3460-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:12:18 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 14:07:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	551	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	2607	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	1549	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3212	0.40	ng	0.00
27) Chrysene-d12	21.27	240	4795	0.40	ng	0.00
34) Perylene-d12	23.67	264	3956	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	312	0.19	ng	0.00
5) Phenol-d6	6.90	99	286	0.12	ng	0.00
8) Nitrobenzene-d5	8.88	82	793	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.10	152	1626	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	267	0.76	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	3369	0.51	ng	0.00
25) Fluoranthene-d10	19.12	212	5146	0.49	ng	0.00
29) Terphenyl-d14	19.72	244	4606	0.50	ng	0.00

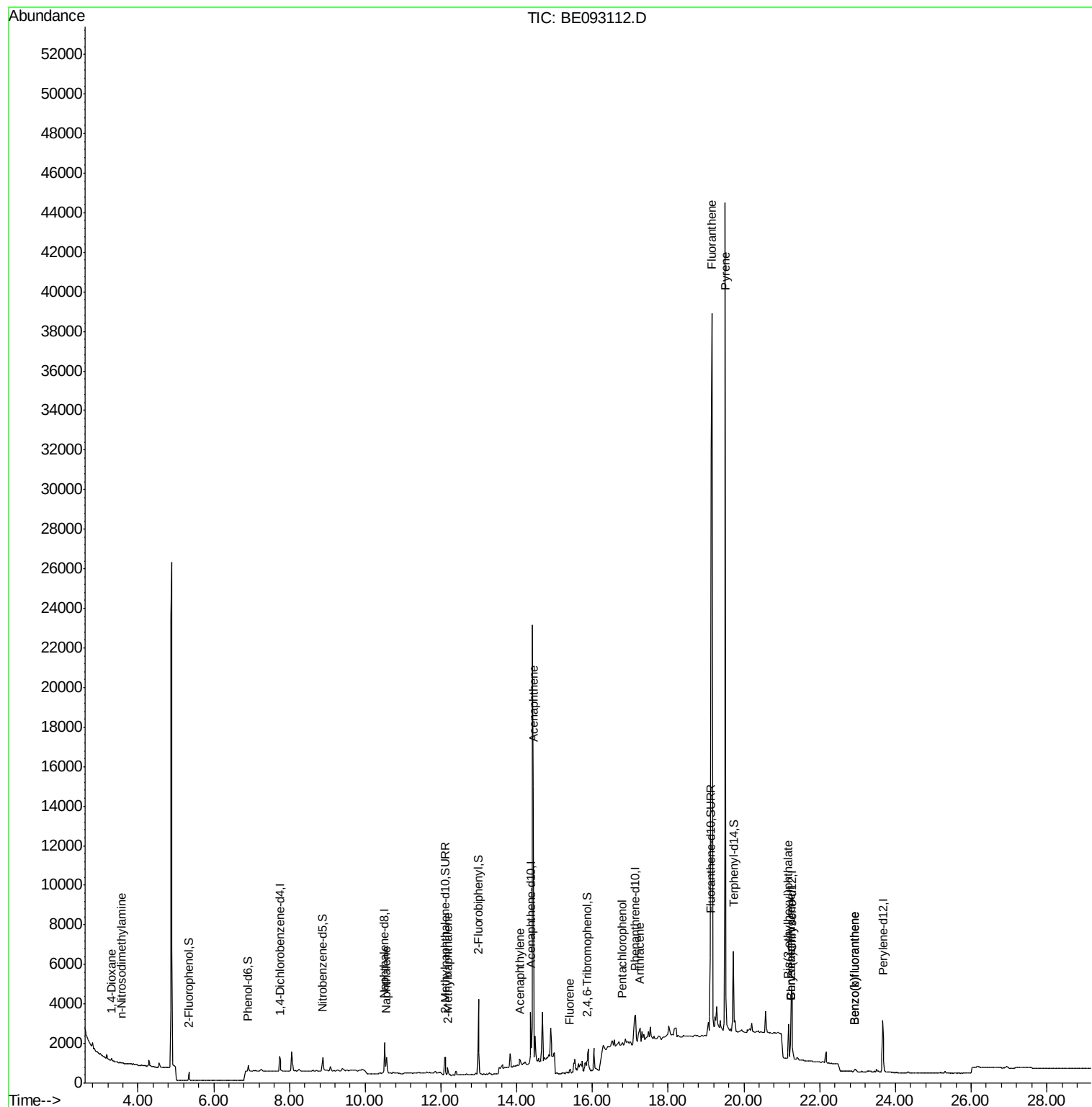
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	108	0.09	ng	# 59
3) n-Nitrosodimethylamine	3.57	42	14	0.01	ng	# 60
9) Naphthalene	10.56	128	1125	0.16	ng	# 91
12) 2-Methylnaphthalene	12.18	142	280	0.06	ng	# 87
16) Acenaphthylene	14.08	152	623	0.02	ng	# 19
17) Acenaphthene	14.44	154	5020	1.00	ng	97
18) Fluorene	15.40	166	247	0.04	ng	# 29
22) Pentachlorophenol	16.79	266	17	0.03	ng	# 82
24) Anthracene	17.25	178	1374	0.11	ng	# 79
26) Fluoranthene	19.16	202	66965	1.27	ng	# 99
28) Pyrene	19.51	202	53749	0.92	ng	# 88
30) Benzo(a)anthracene	21.23	228	1227	0.09	ng	# 62
31) Chrysene	21.23	228	1254	0.09	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.18	149	1720	0.32	ng	94
35) Benzo(b)fluoranthene	22.92	252	279	0.02	ng	# 1
36) Benzo(k)fluoranthene	22.92	252	280	0.02	ng	# 1

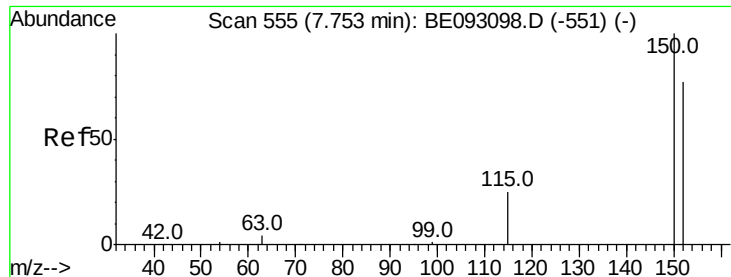
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.00 min

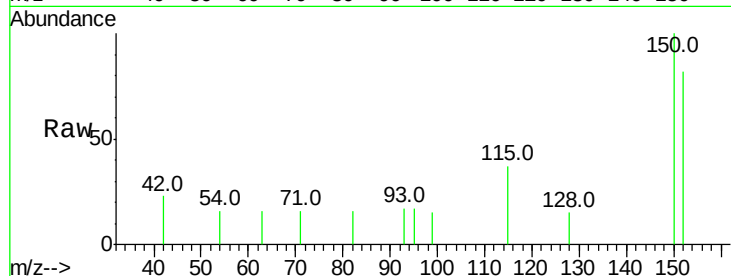
Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampled :



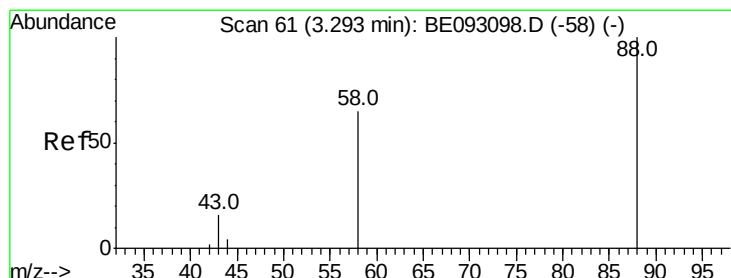
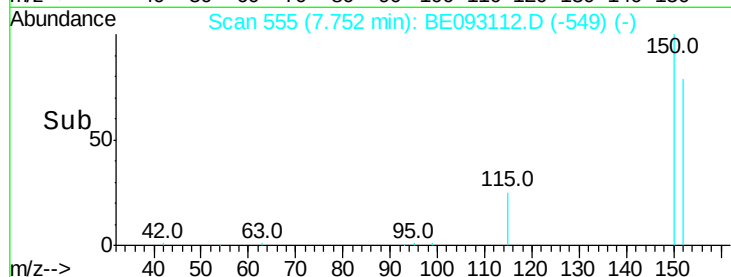
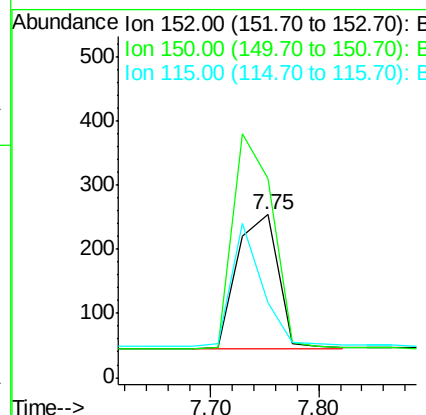
Tot Ion:152 Resp: 551

Ion Ratio Lower Upper

152 100

150 122.0 125.1 187.7#

115 45.7 55.7 83.5#



#2

1,4-Dioxane

Concen: 0.09 ng

RT: 3.30 min Scan# 61

Delta R.T. 0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

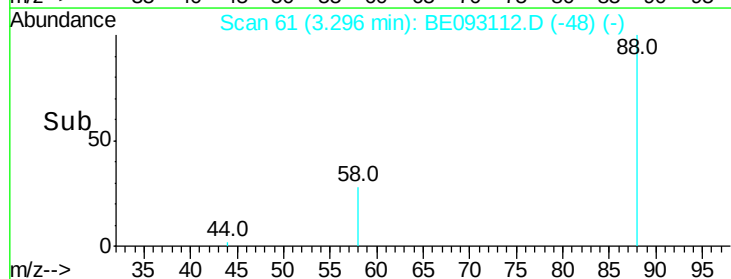
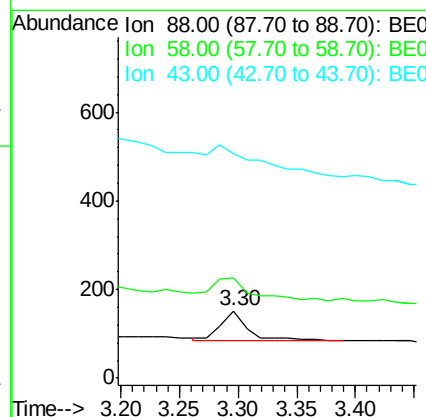
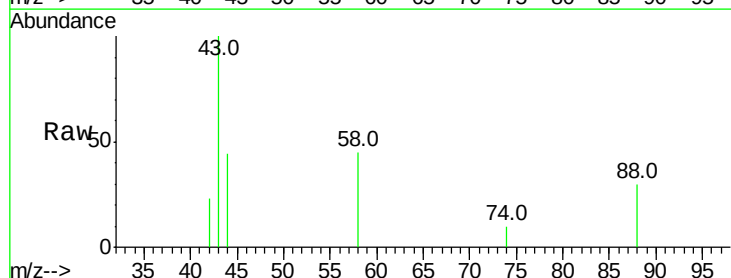
Tgt Ion: 88 Resp: 108

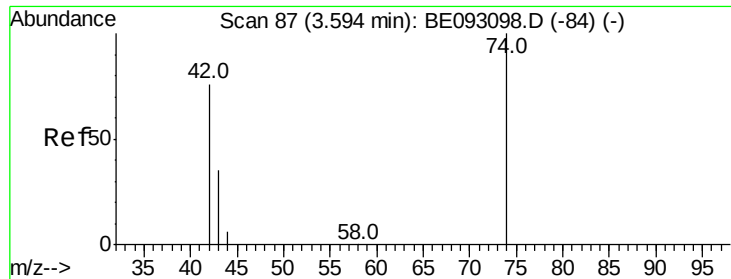
Ion Ratio Lower Upper

88 100

58 109.3 62.2 93.4#

43 0.0 23.2 34.8#



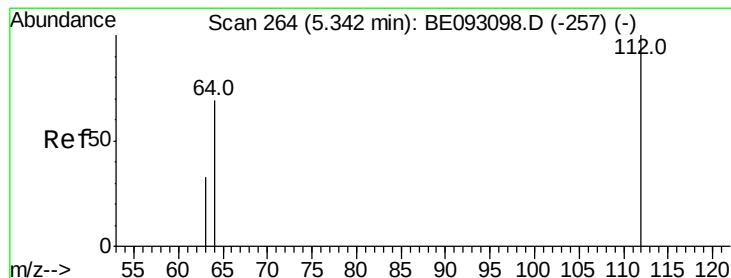
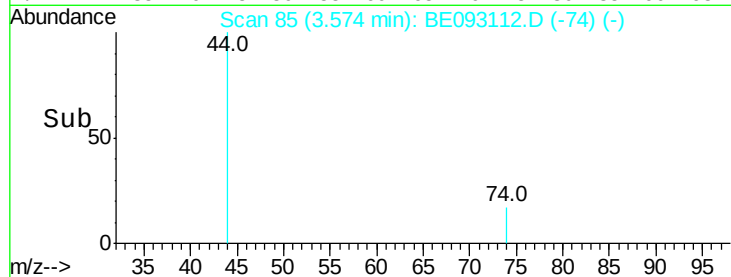
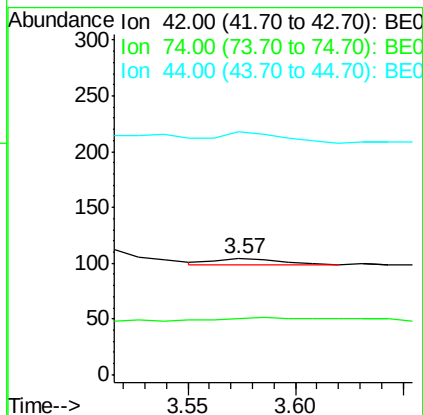
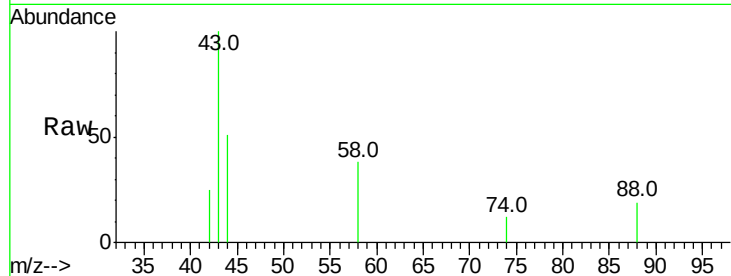


#3

n-Nitrosodimethylamine
 Concen: 0.01 ng
 RT: 3.57 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Instrument :
 BNA_E
 ClientSampleId :

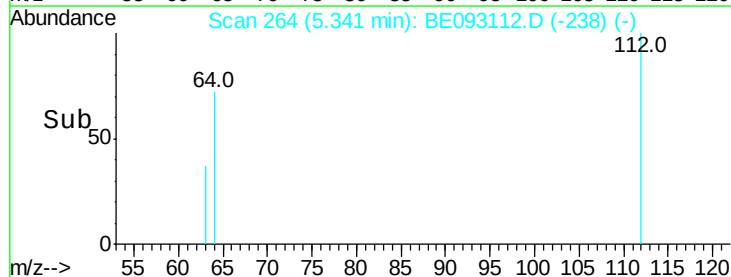
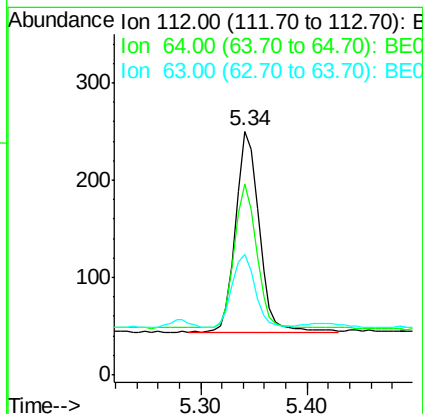
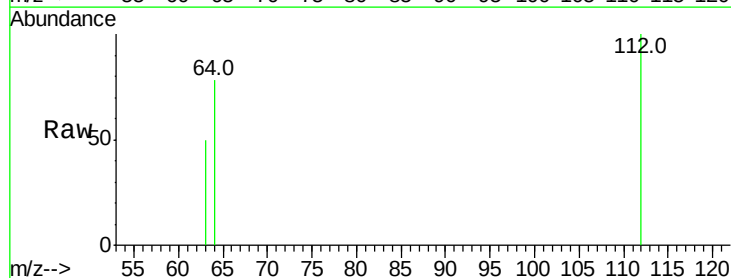
Tot Ion: 42 Resp: 14
 Ion Ratio Lower Upper
 42 100
 74 100.0 99.1 148.7
 44 114.3 7.4 11.2#

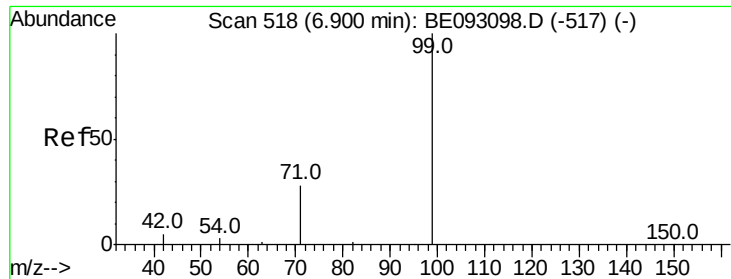


#4

2-Fluorophenol
 Concen: 0.19 ng
 RT: 5.34 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Tgt Ion: 112 Resp: 312
 Ion Ratio Lower Upper
 112 100
 64 67.3 56.4 84.6
 63 35.6 29.3 43.9





#5

Phenol-d6

Concen: 0.12 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampleId :

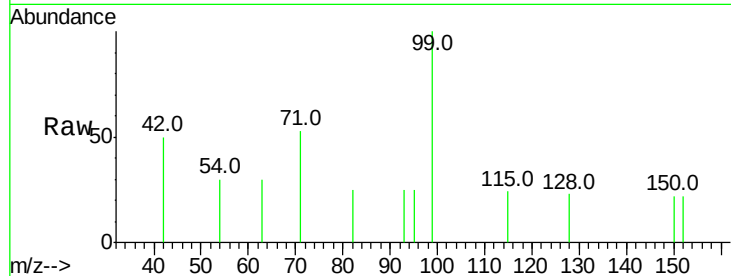
Tot Ion: 99 Resp: 286

Ion Ratio Lower Upper

99 100

42 30.8 0.0 0.0#

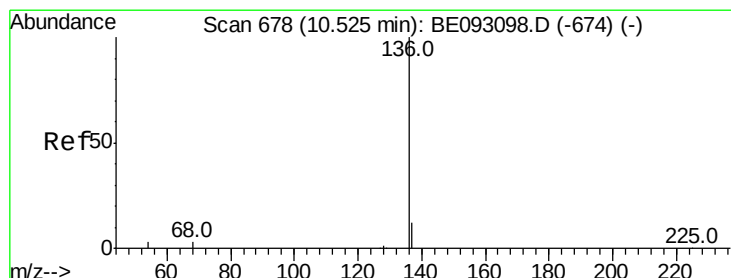
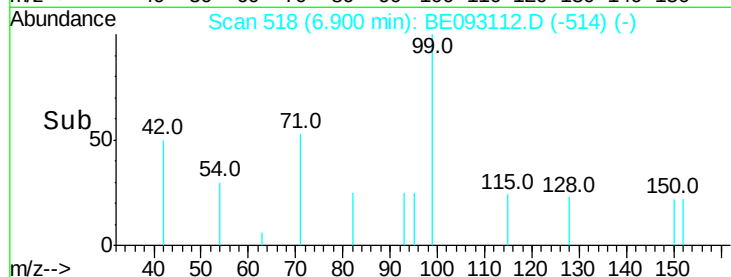
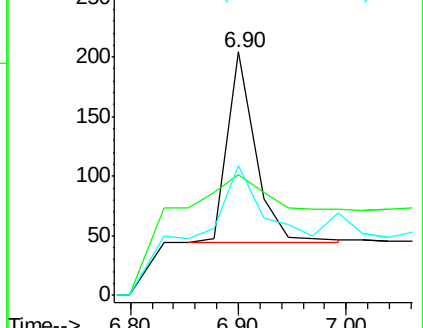
71 48.3 0.0 0.0#



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Tgt Ion: 136 Resp: 2607

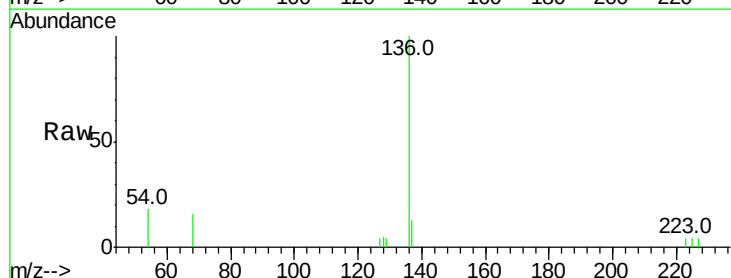
Ion Ratio Lower Upper

136 100

137 13.1 9.8 14.8

54 18.2 10.3 15.5#

68 16.1 9.0 13.4#

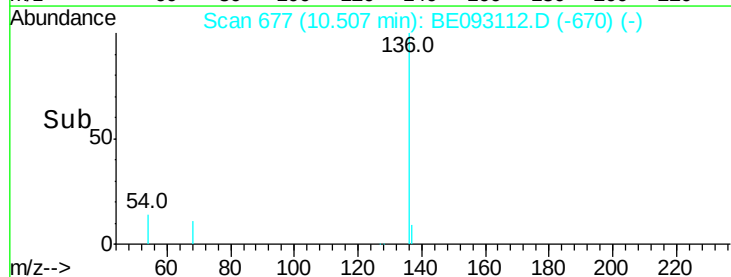
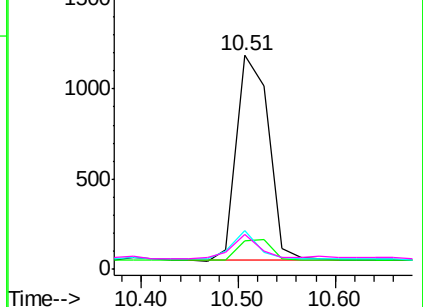


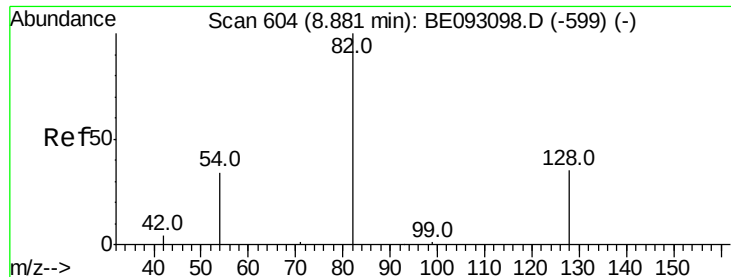
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampled :

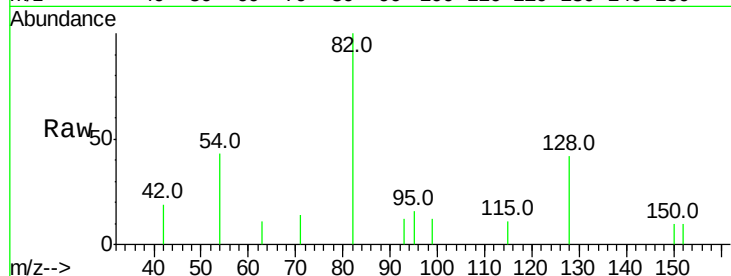
Tot Ion: 82 Resp: 793

Ion Ratio Lower Upper

82 100

128 41.6 17.0 25.4#

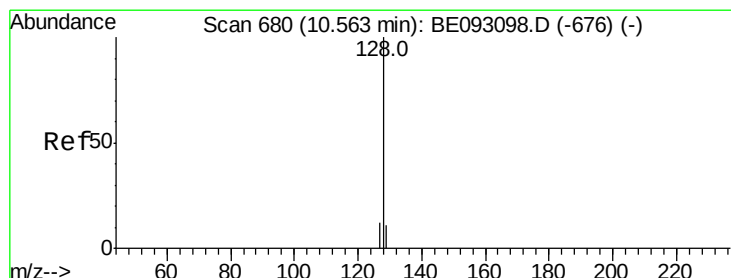
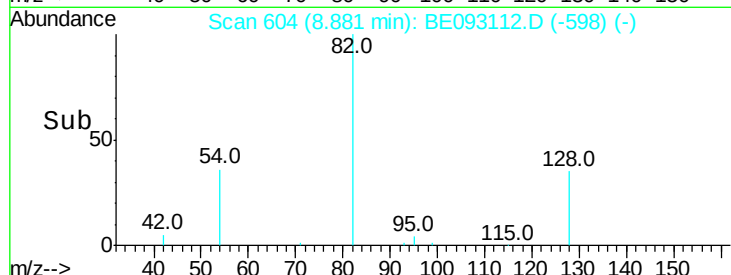
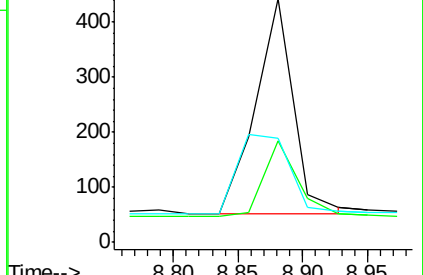
54 42.8 53.8 80.6#



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



#9

Naphthalene

Concen: 0.16 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

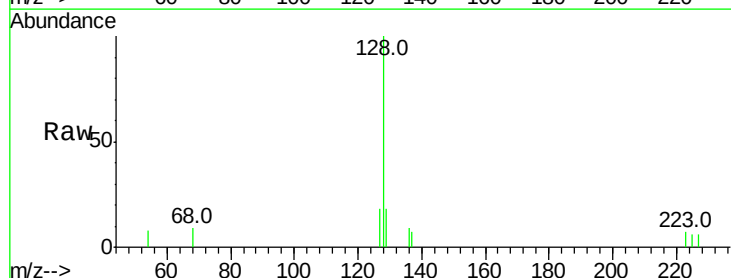
Tgt Ion: 128 Resp: 1125

Ion Ratio Lower Upper

128 100

129 18.0 11.4 17.0#

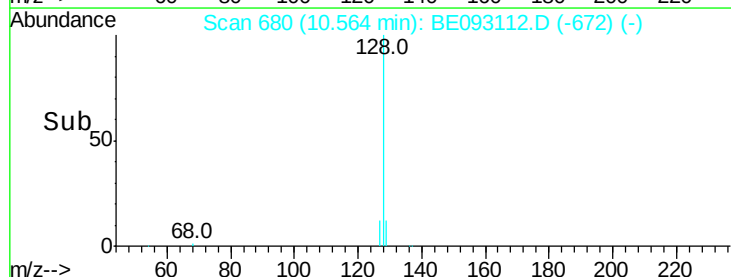
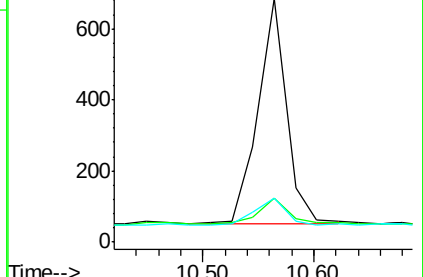
127 18.0 11.2 16.8#

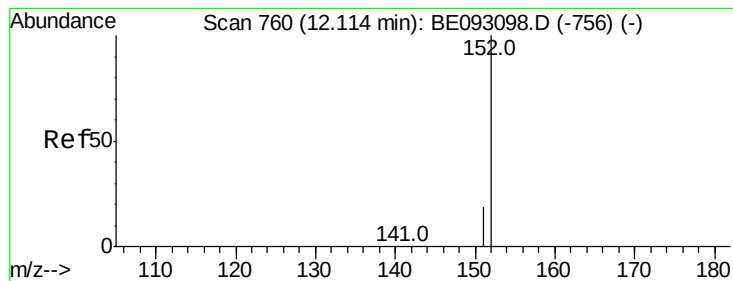


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

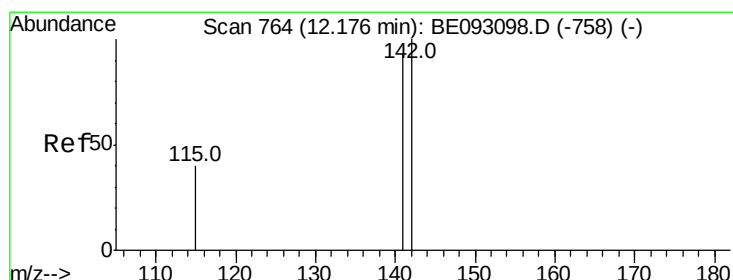
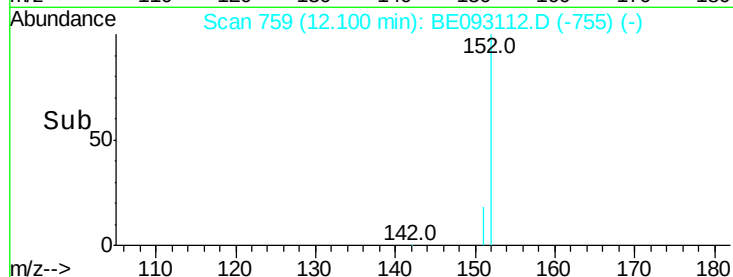
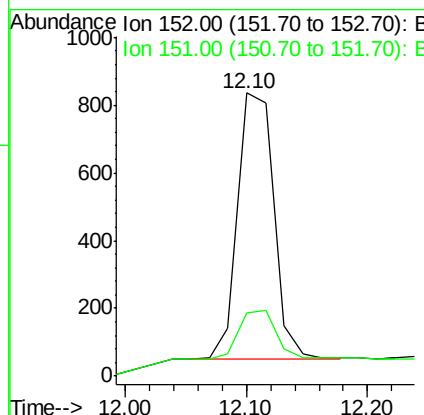
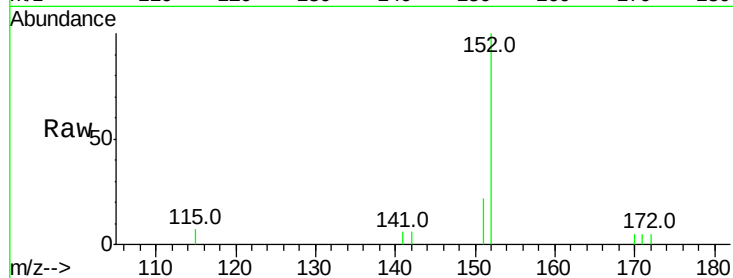




#11
2-Methylnaphthalene-d10
Concen: 0.41 ng
RT: 12.10 min Scan# 759
Delta R.T. -0.01 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

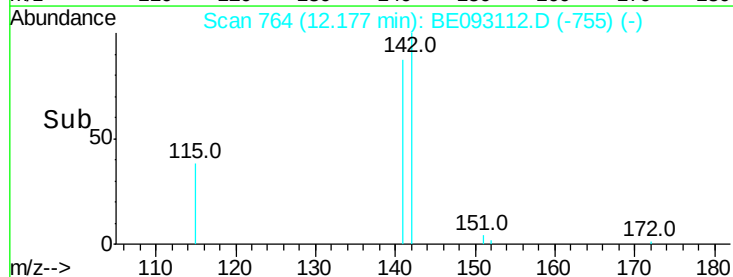
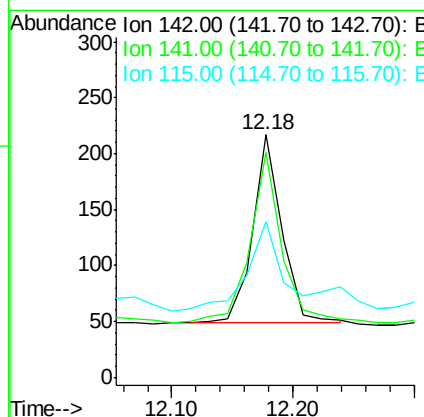
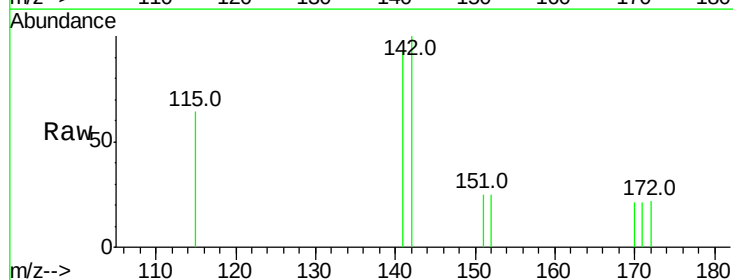
Instrument :
BNA_E
ClientSampled :

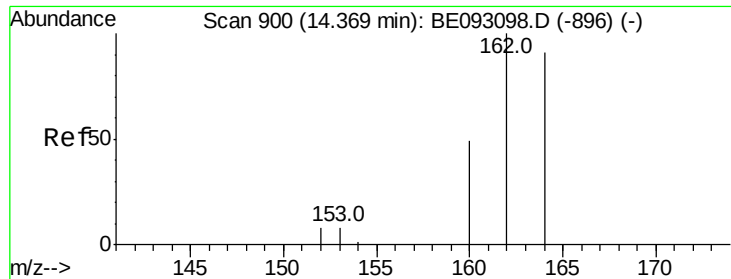
Tot Ion:152 Resp: 1626
Ion Ratio Lower Upper
152 100
151 19.6 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.18 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

Tgt Ion:142 Resp: 280
Ion Ratio Lower Upper
142 100
141 92.6 72.6 108.8
115 64.1 32.2 48.2#

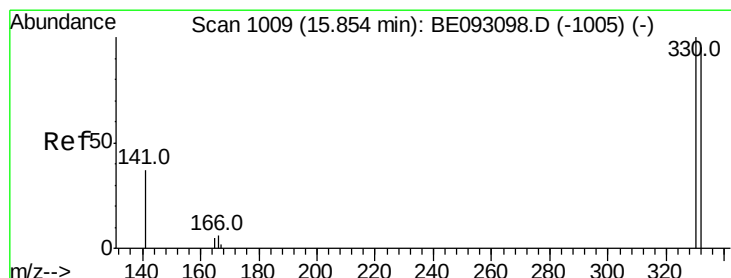
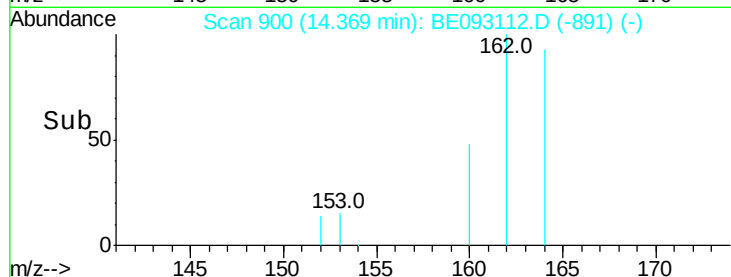
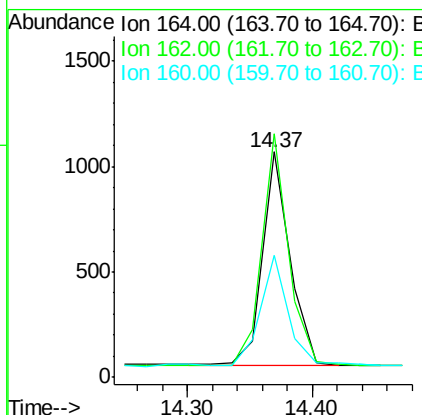
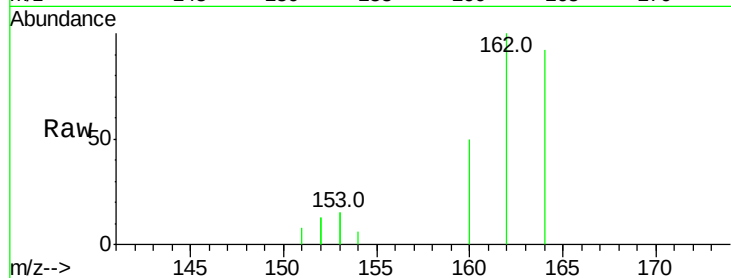




#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.37 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

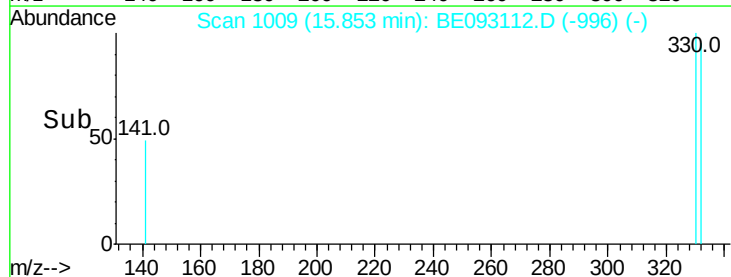
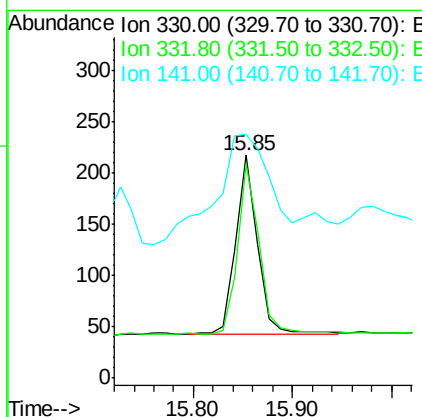
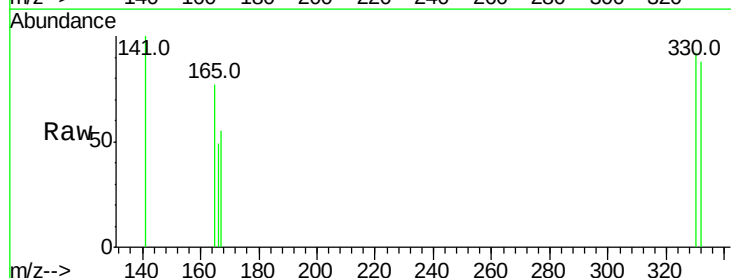
Instrument :
 BNA_E
 ClientSampleId :

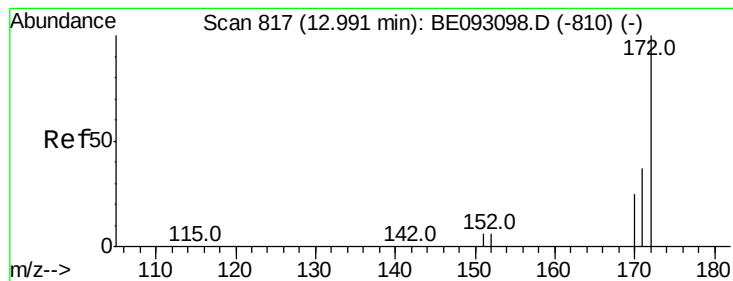
Tot Ion:164 Resp: 1549
 Ion Ratio Lower Upper
 164 100
 162 108.1 84.6 127.0
 160 54.1 41.8 62.6



#14
 2,4,6-Tribromophenol
 Concen: 0.76 ng
 RT: 15.85 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Tgt Ion:330 Resp: 267
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.7 116.5
 141 156.9 56.2 84.4#

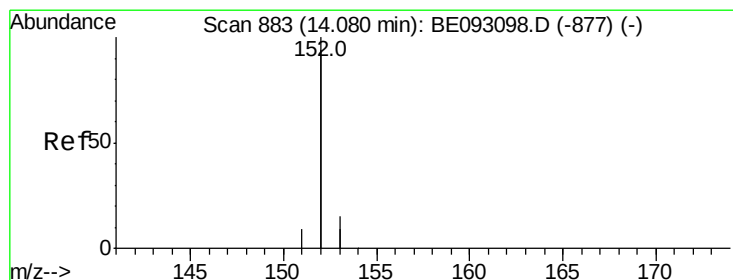
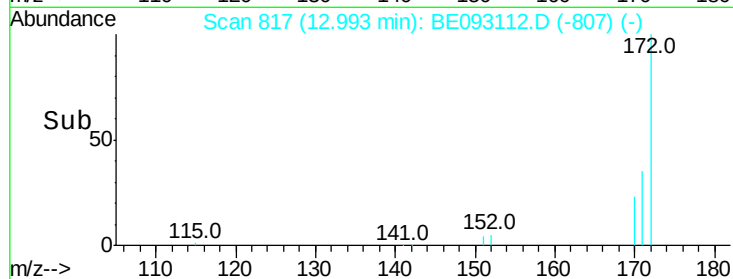
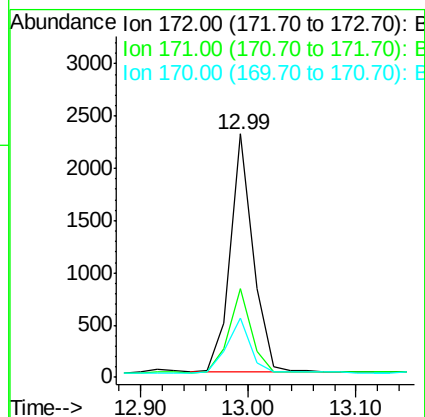
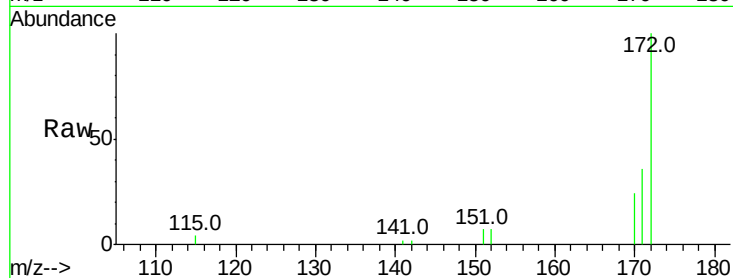




#15
2-Fluorobiphenyl
Concen: 0.51 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

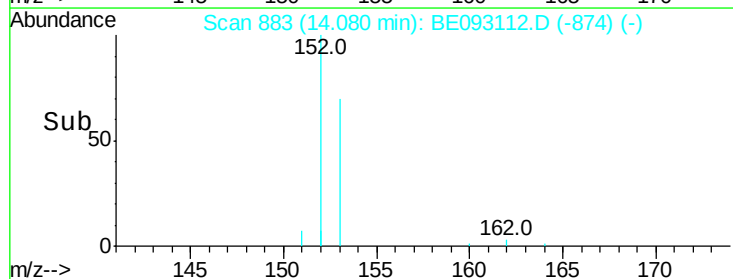
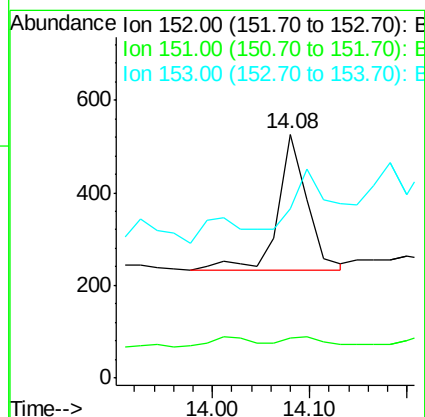
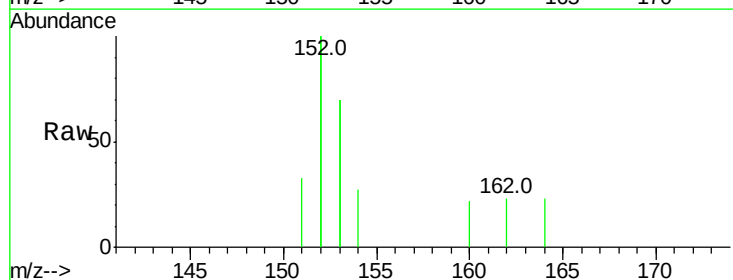
Instrument :
BNA_E
ClientSampleId :

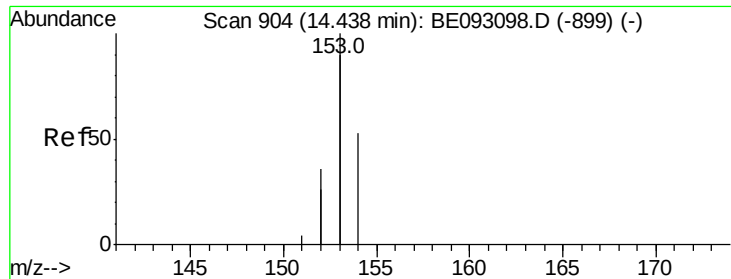
Tot Ion:172 Resp: 3369
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 24.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.02 ng
RT: 14.08 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

Tgt Ion:152 Resp: 623
Ion Ratio Lower Upper
152 100
151 6.9 4.0 6.0#
153 56.5 10.3 15.5#

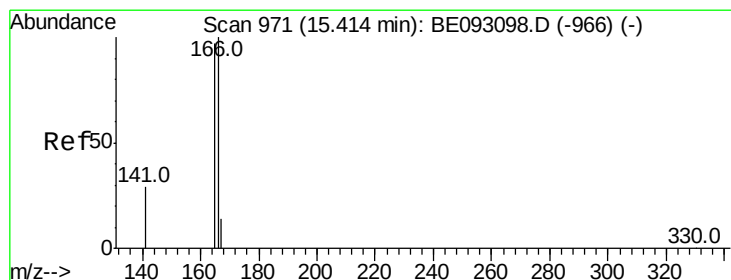
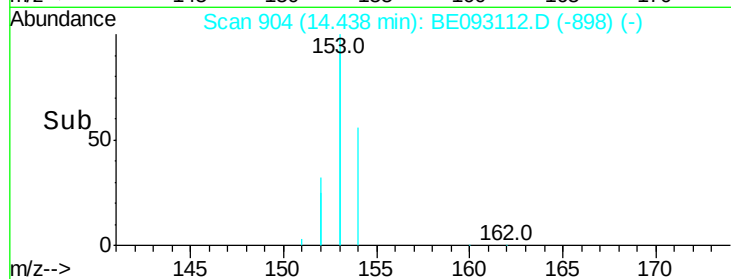
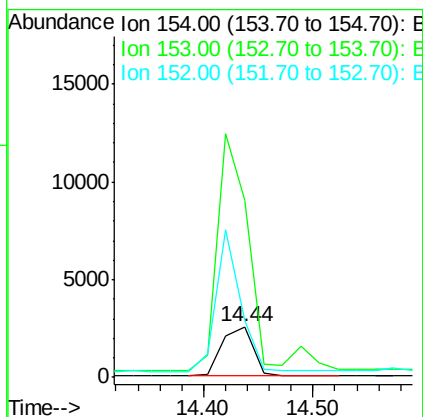
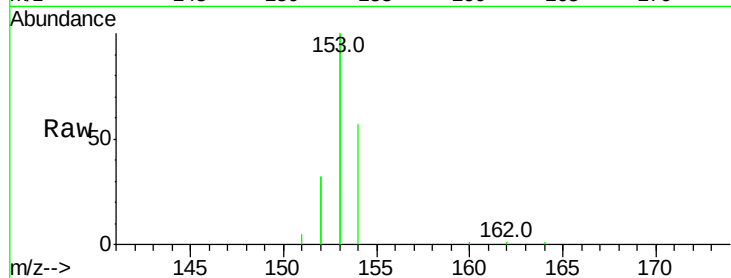




#17
Acenaphthene
Concen: 1.00 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

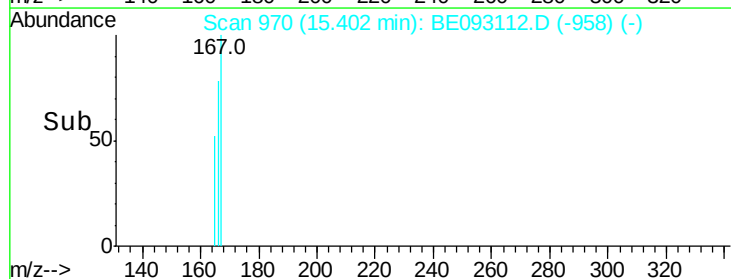
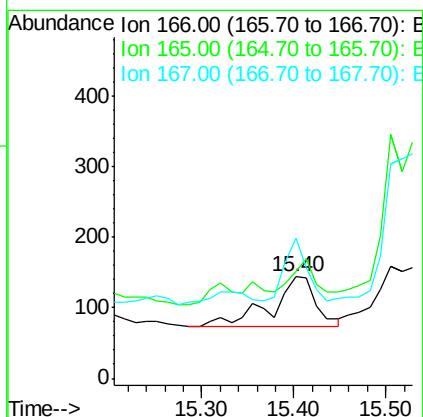
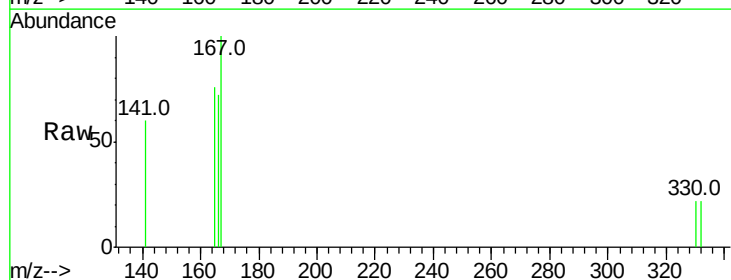
Instrument :
BNA_E
ClientSampleId :

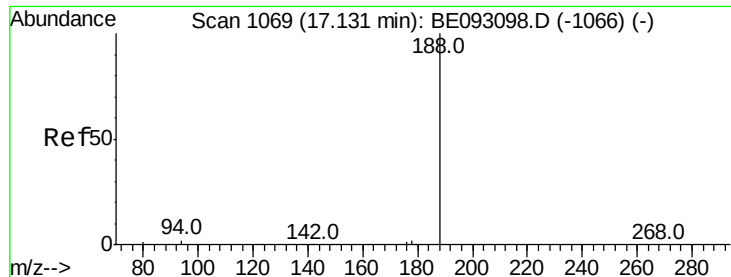
Tot Ion:154 Resp: 5020
Ion Ratio Lower Upper
154 100
153 454.4 367.8 551.6
152 225.0 188.2 282.2



#18
Fluorene
Concen: 0.04 ng
RT: 15.40 min Scan# 970
Delta R.T. -0.01 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

Tgt Ion:166 Resp: 247
Ion Ratio Lower Upper
166 100
165 34.8 78.6 117.8#
167 61.5 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampleId :

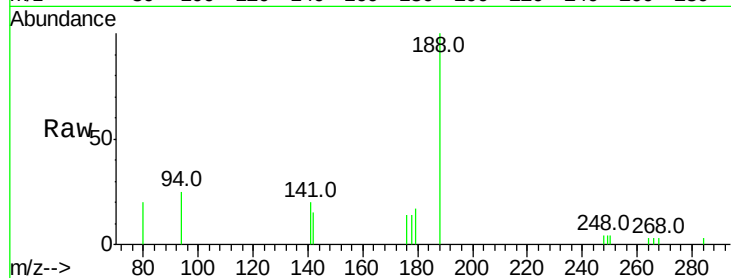
Tot Ion:188 Resp: 3212

Ion Ratio Lower Upper

188 100

94 24.6 11.3 16.9#

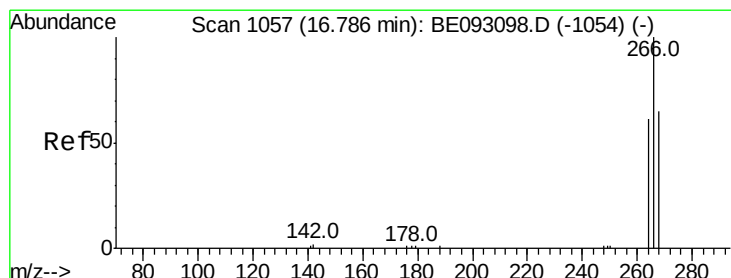
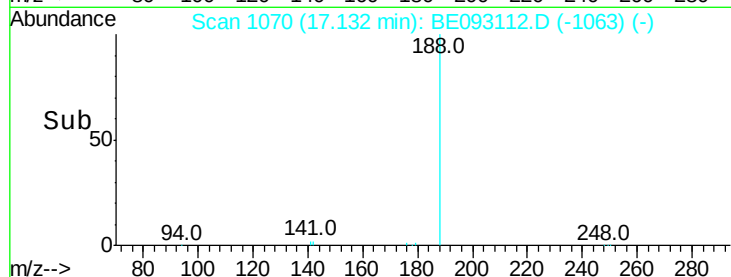
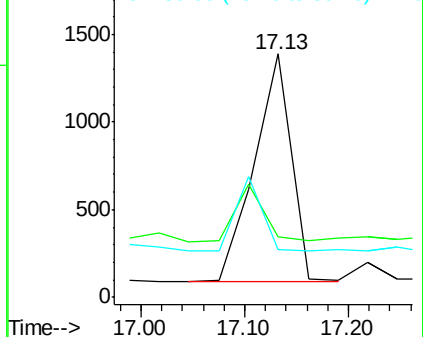
80 19.5 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.03 ng

RT: 16.79 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

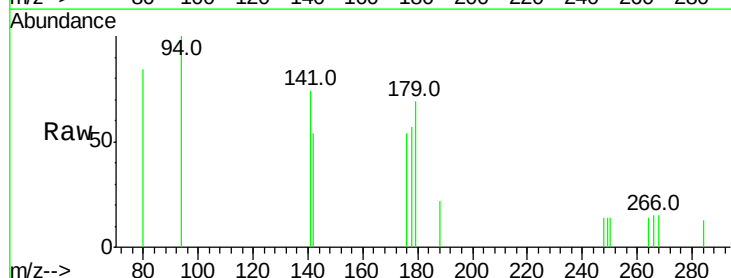
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 95.9 58.2 87.2#

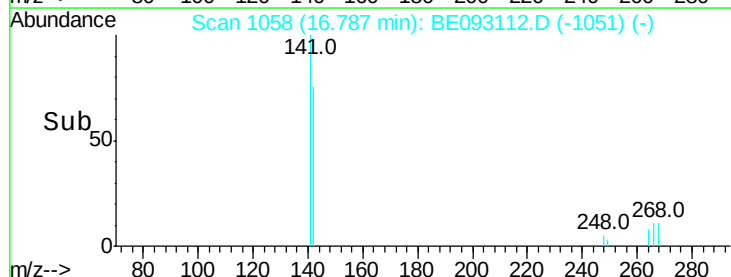
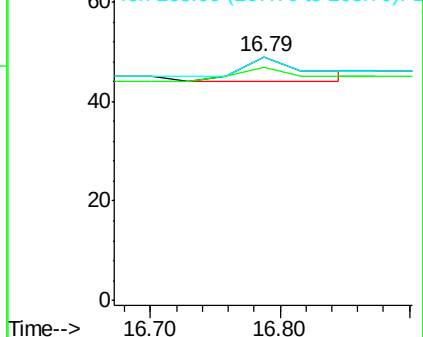
268 100.0 71.9 107.9

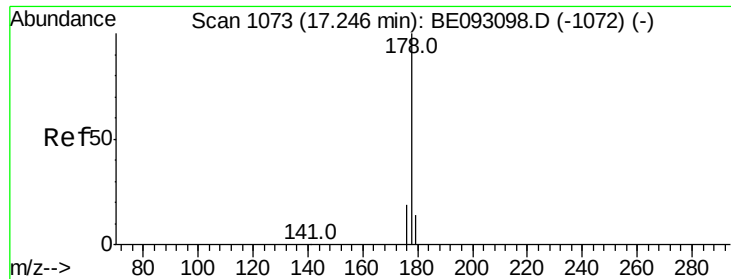


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#24

Anthracene

Concen: 0.11 ng

RT: 17.25 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampled :

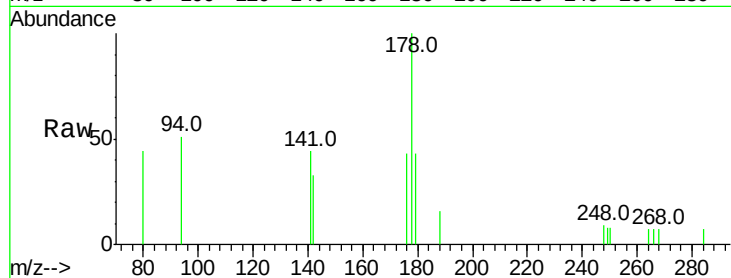
Tot Ion:178 Resp: 1374

Ion Ratio Lower Upper

178 100

176 22.3 14.6 22.0#

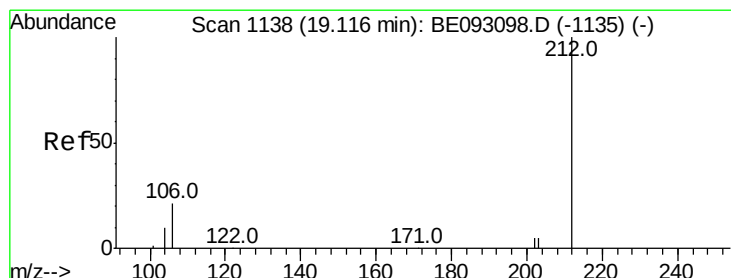
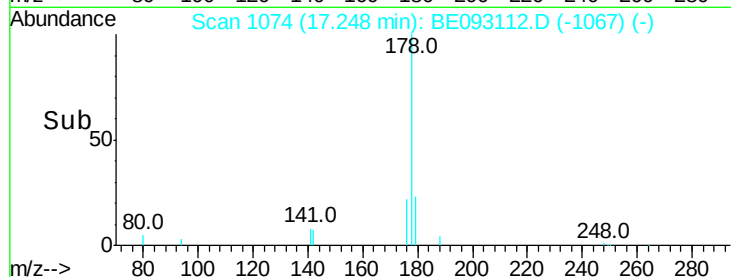
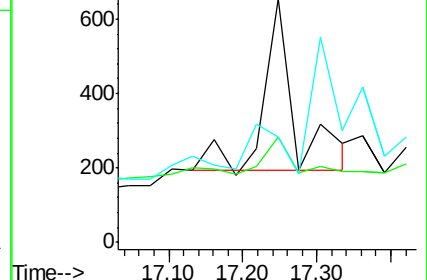
179 0.0 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.49 ng

RT: 19.12 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

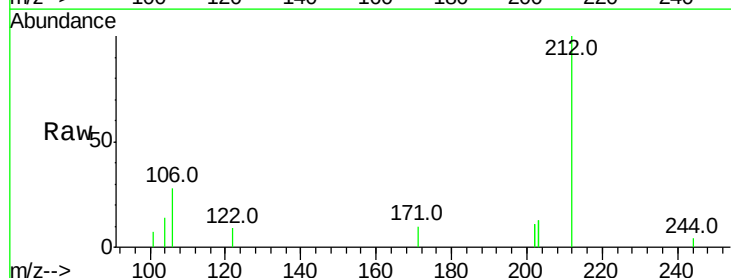
Tgt Ion:212 Resp: 5146

Ion Ratio Lower Upper

212 100

106 18.5 0.0 0.0#

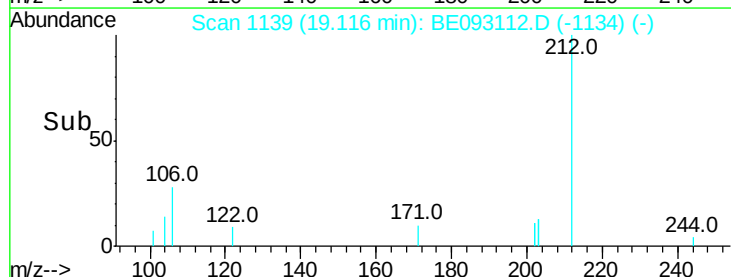
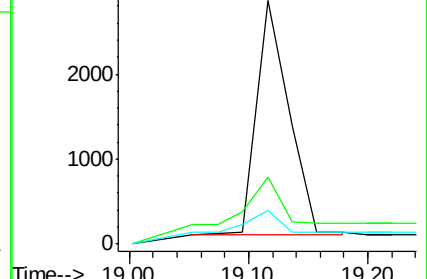
104 9.3 0.0 0.0#

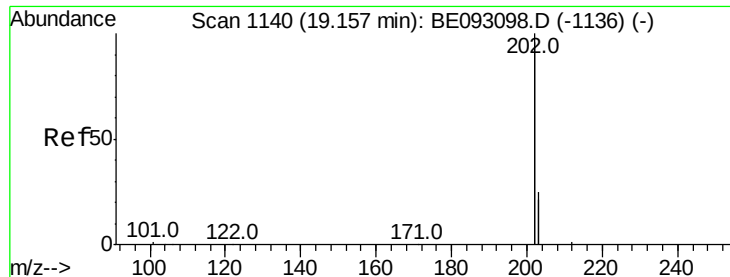


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

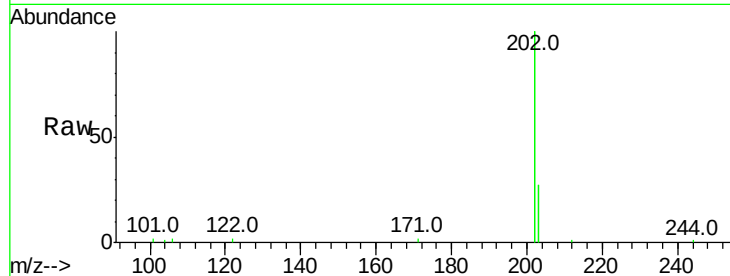




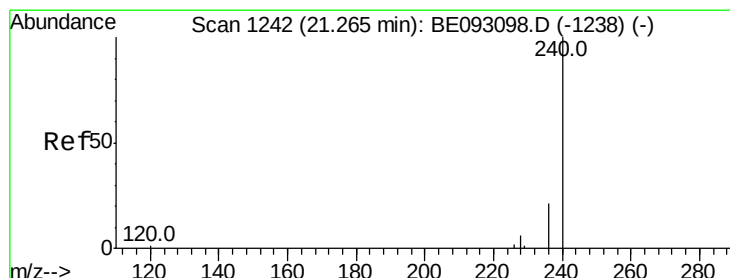
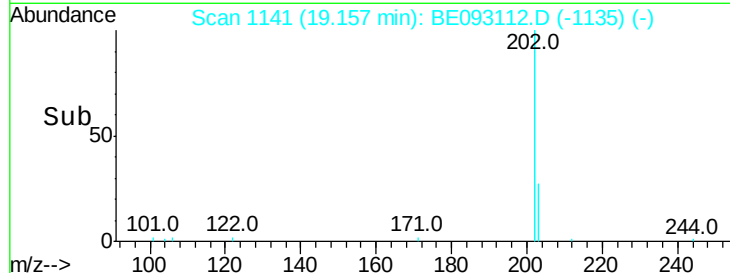
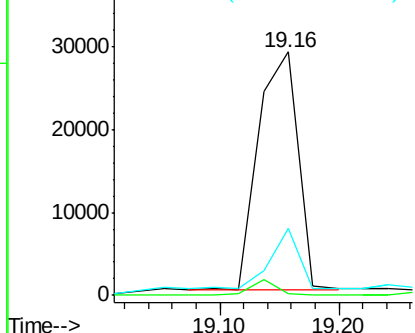
#26
 Fluoranthene
 Concen: 1.27 ng
 RT: 19.16 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 66965
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 0.0
 203 18.4 14.4 21.6

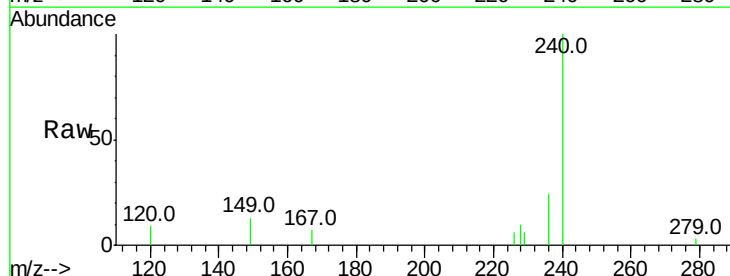


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

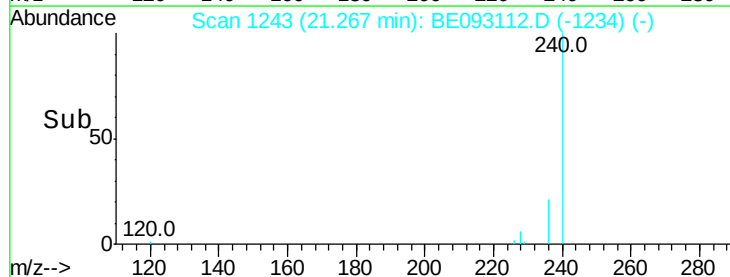
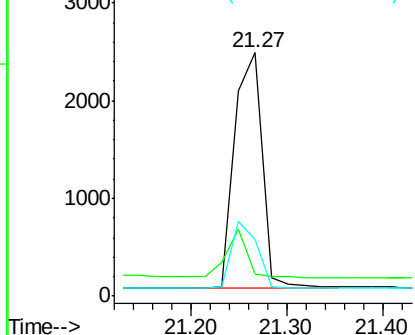


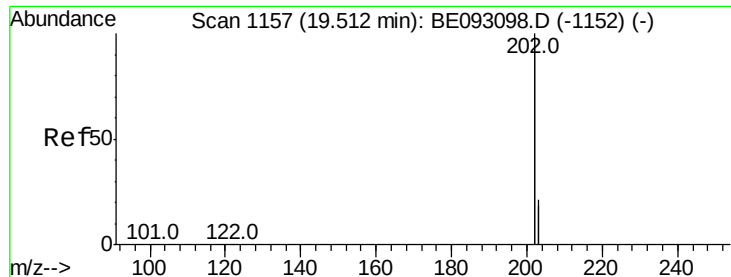
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.27 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Tgt Ion:240 Resp: 4795
 Ion Ratio Lower Upper
 240 100
 120 9.1 4.6 7.0#
 236 23.5 20.8 31.2



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

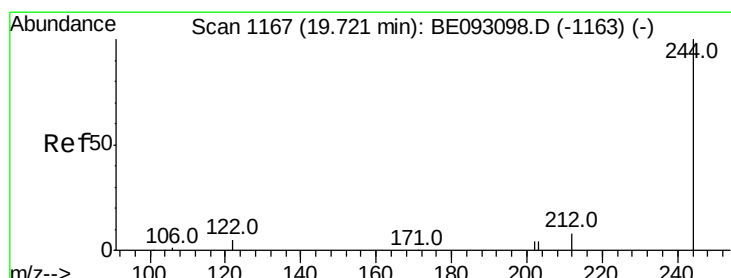
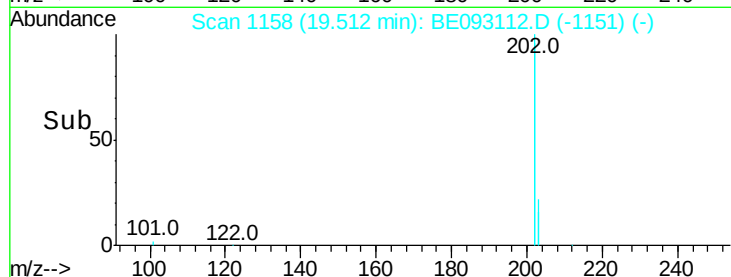
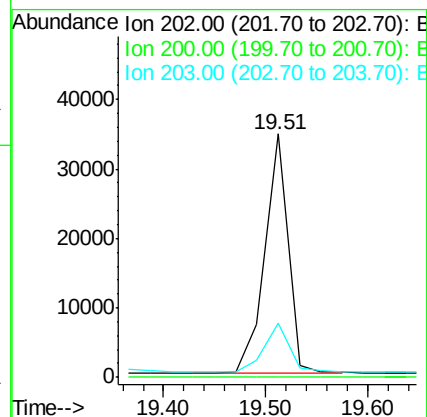
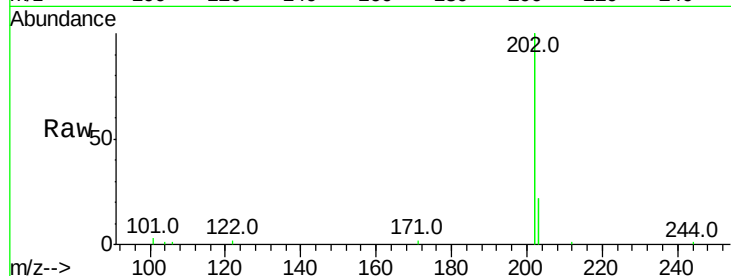




#28
Pvrene
Concen: 0.92 ng
RT: 19.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

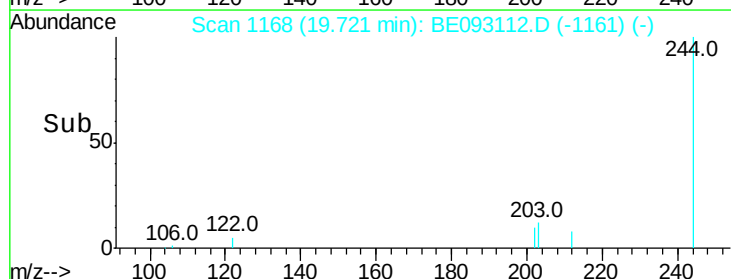
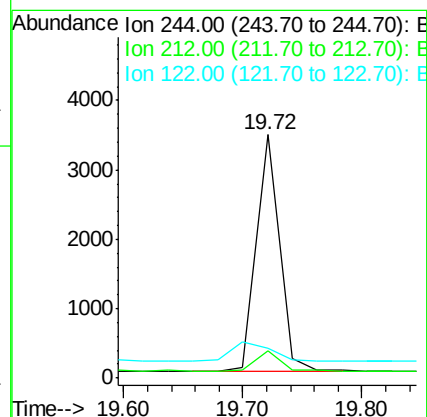
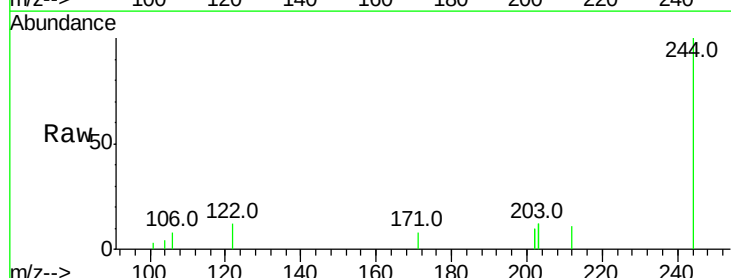
Instrument :
BNA_E
ClientSampleId :

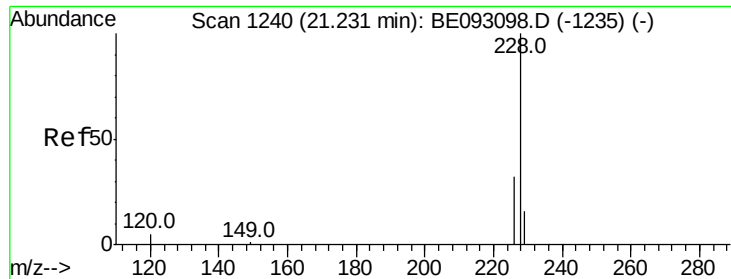
Tot Ion:202 Resp: 53749
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 22.3 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.50 ng
RT: 19.72 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

Tgt Ion:244 Resp: 4606
Ion Ratio Lower Upper
244 100
212 11.2 10.6 16.0
122 12.1 15.4 23.0#

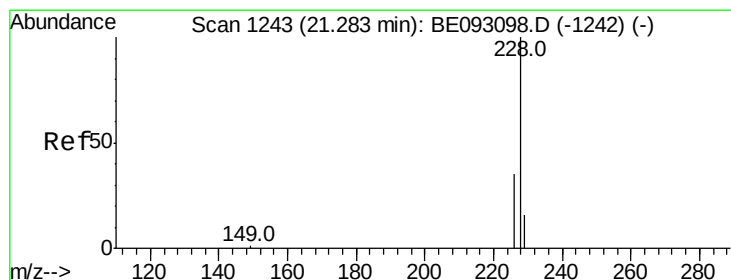
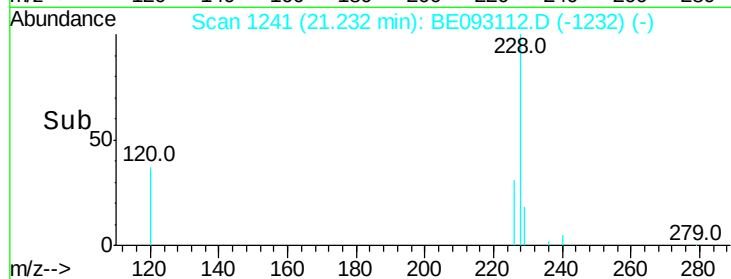
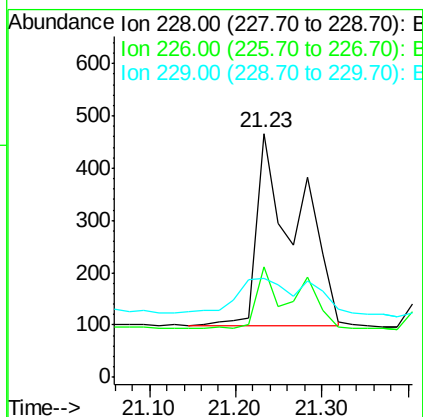
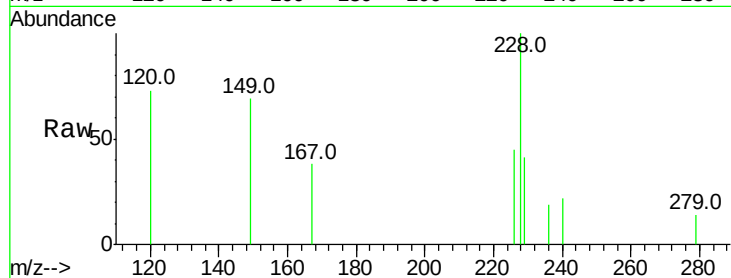




#30
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.23 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

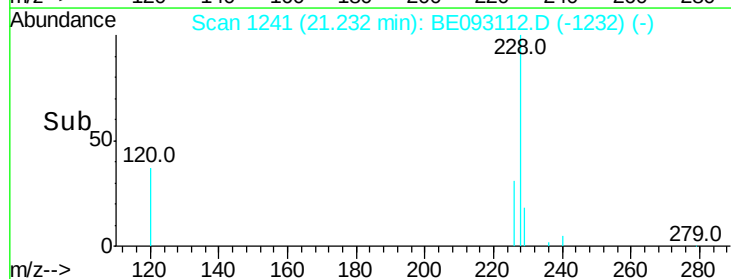
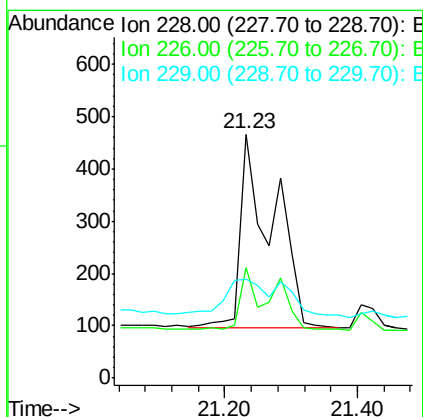
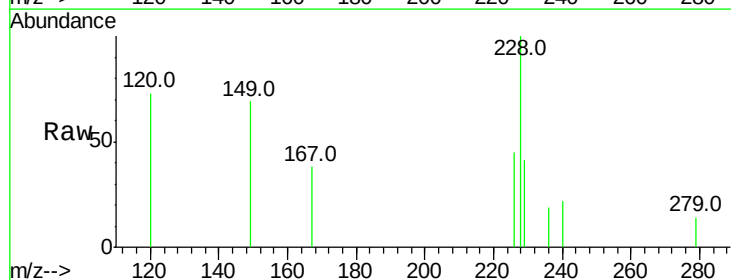
Instrument :
BNA_E
ClientSampleId :

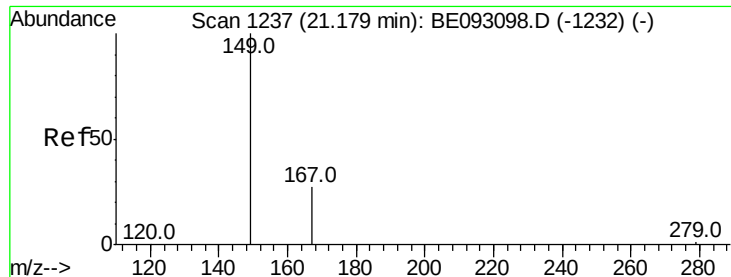
Tot Ion:228 Resp: 1227
Ion Ratio Lower Upper
228 100
226 45.3 19.7 29.5#
229 40.8 19.2 28.8#



#31
Chrysene
Concen: 0.09 ng
RT: 21.23 min Scan# 1241
Delta R.T. -0.05 min
Lab File: BE093112.D
Acq: 12 Jun 2017 21:34

Tgt Ion:228 Resp: 1254
Ion Ratio Lower Upper
228 100
226 45.3 21.5 32.3#
229 40.8 18.6 28.0#

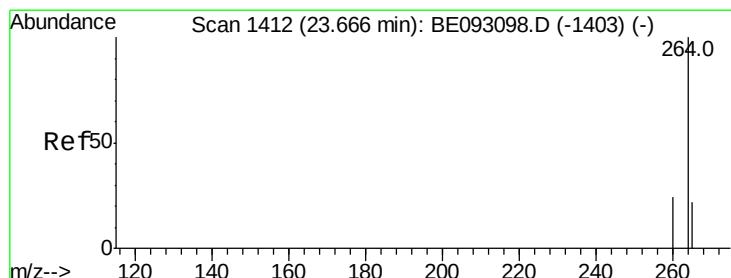
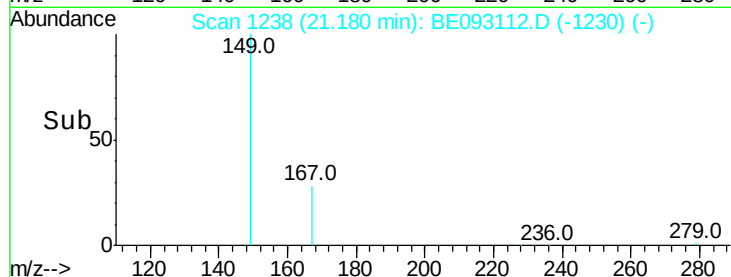
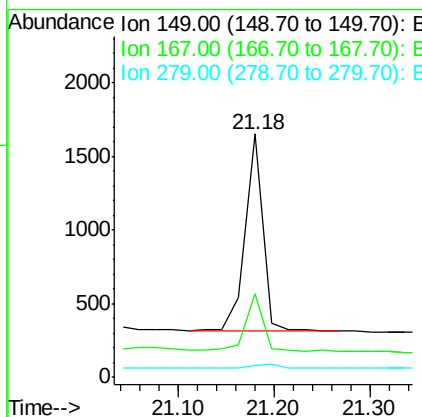
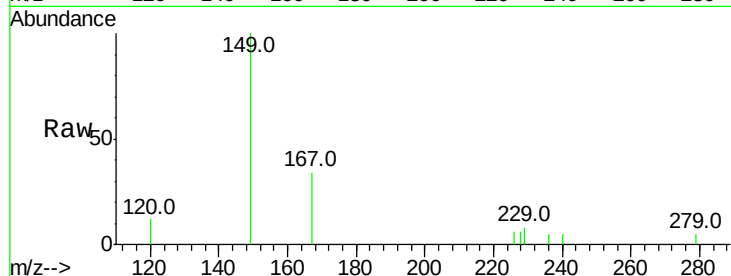




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.32 ng
 RT: 21.18 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

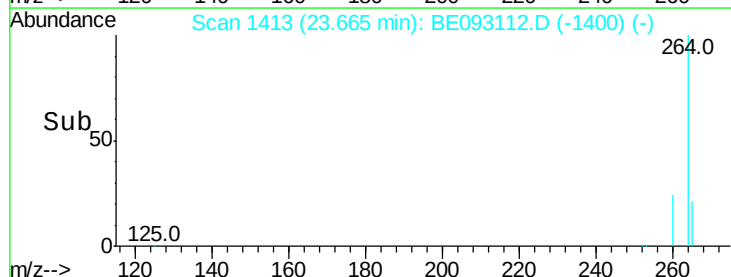
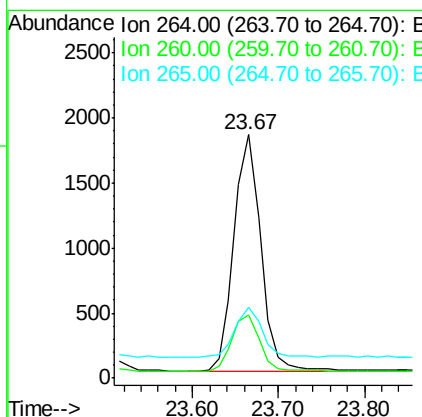
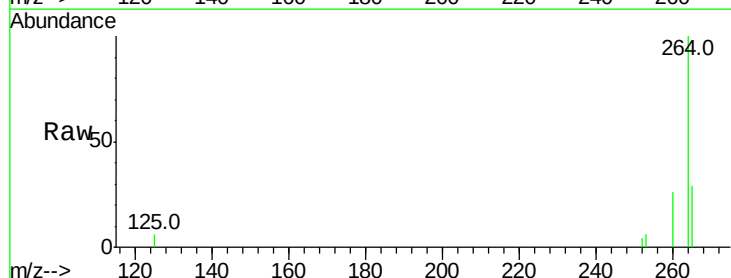
Instrument :
 BNA_E
 ClientSampleId :

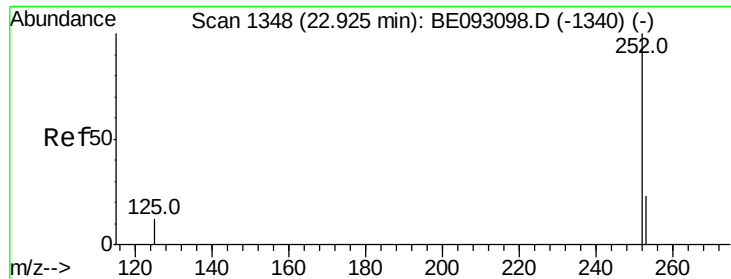
Tot Ion:149 Resp: 1720
 Ion Ratio Lower Upper
 149 100
 167 28.4 20.1 30.1
 279 2.5 2.2 3.4



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.67 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BE093112.D
 Acq: 12 Jun 2017 21:34

Tgt Ion:264 Resp: 3956
 Ion Ratio Lower Upper
 264 100
 260 25.9 21.0 31.4
 265 29.2 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.92 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

Instrument :

BNA_E

ClientSampled :

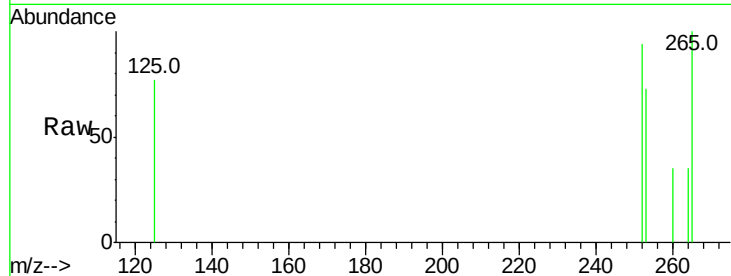
Tot Ion:252 Resp: 279

Ion Ratio Lower Upper

252 100

253 77.2 18.5 27.7#

125 82.3 13.4 20.0#



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

22.92

150

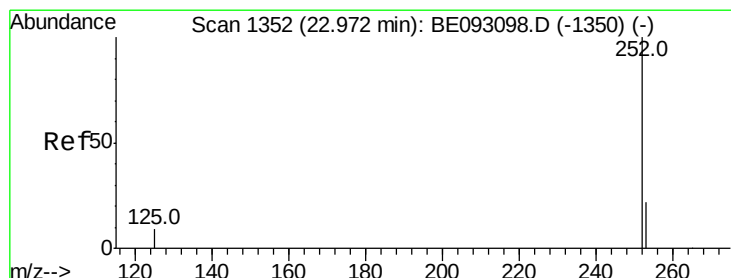
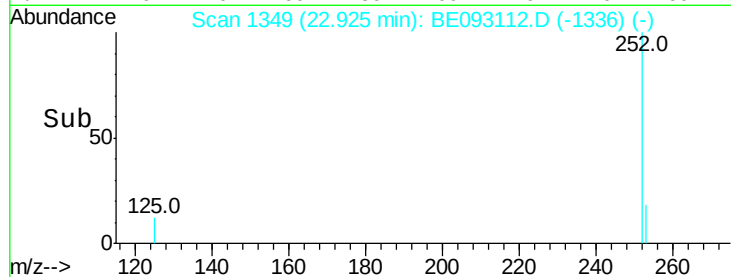
100

50

0

22.90 23.00

Time-->



#36

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.92 min Scan# 1349

Delta R.T. -0.05 min

Lab File: BE093112.D

Acq: 12 Jun 2017 21:34

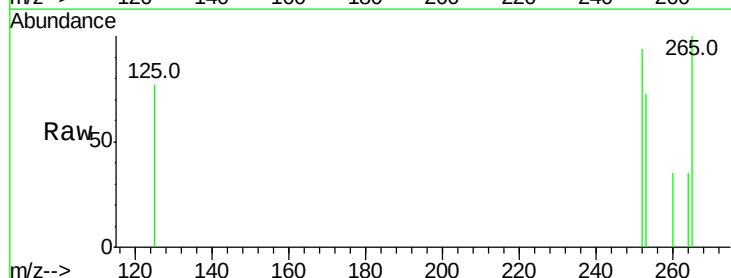
Tgt Ion:252 Resp: 280

Ion Ratio Lower Upper

252 100

253 77.2 20.3 30.5#

125 82.3 12.2 18.4#



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

22.92

150

100

50

0

22.80 22.90 23.00 23.10

Time-->

