

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093111.D
 Acq On : 12 Jun 2017 20:58
 Operator : SJ/MA
 Sample : I3460-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:12:05 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	521	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	2355	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	1169	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2510	0.40	ng	0.00
27) Chrysene-d12	21.25	240	3762	0.40	ng	-0.02
34) Perylene-d12	23.67	264	3169	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	301	0.20	ng	0.00
5) Phenol-d6	6.90	99	261	0.12	ng	0.00
8) Nitrobenzene-d5	8.88	82	699	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1367	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	114	0.43	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	2991	0.60	ng	0.00
25) Fluoranthene-d10	19.12	212	3755	0.45	ng	0.00
29) Terphenyl-d14	19.72	244	3843	0.53	ng	0.00

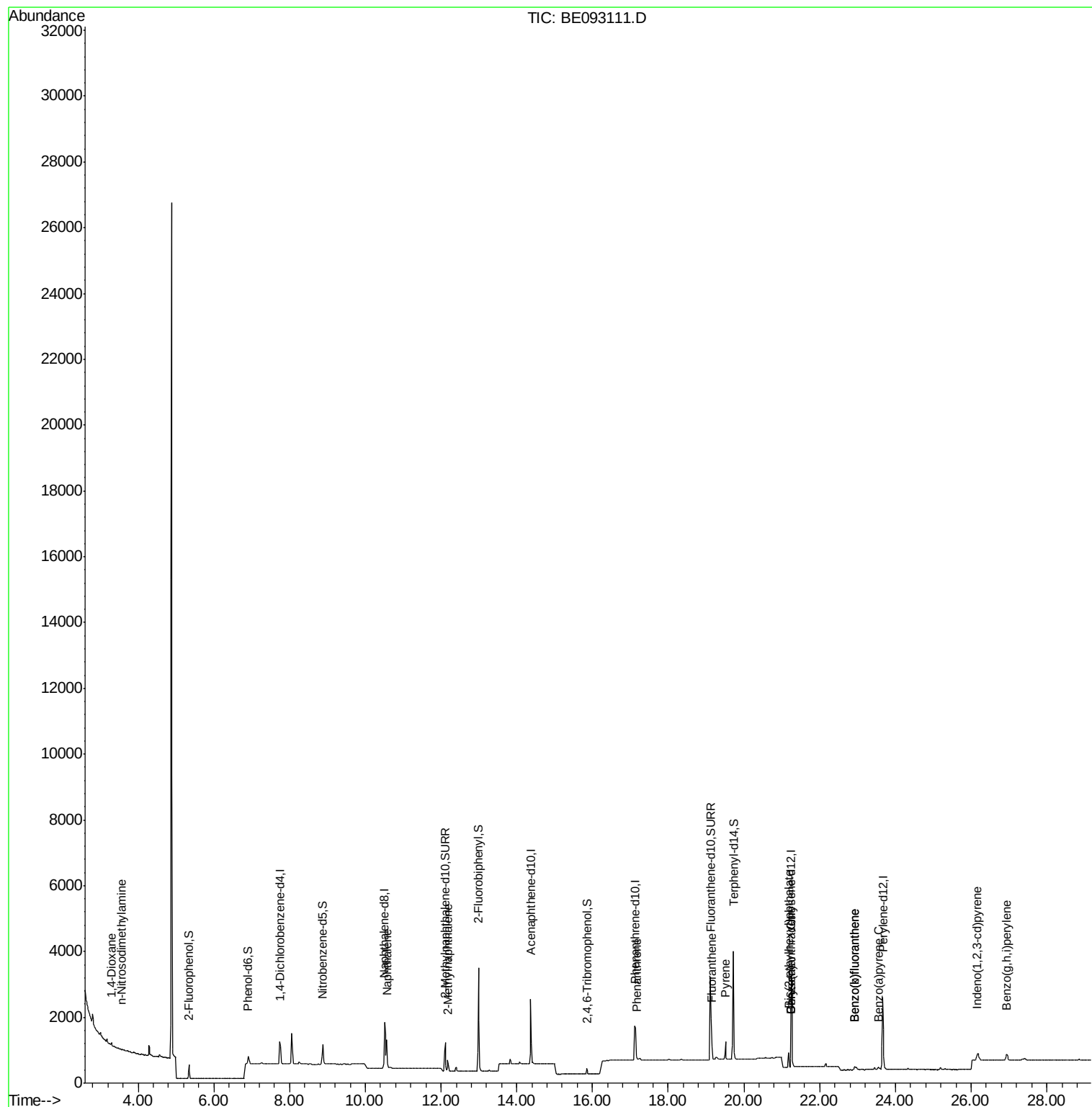
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	64	0.06	ng	# 26
3) n-Nitrosodimethylamine	3.56	42	35	0.04	ng	# 1
9) Naphthalene	10.56	128	1213	0.19	ng	# 93
12) 2-Methylnaphthalene	12.18	142	266	0.07	ng	# 90
23) Phenanthrene	17.16	178	114	0.01	ng	# 96
26) Fluoranthene	19.16	202	586	0.01	ng	# 59
28) Pyrene	19.51	202	733	0.02	ng	# 88
30) Benzo(a)anthracene	21.23	228	145	0.01	ng	# 36
31) Chrysene	21.23	228	145	0.01	ng	# 38
32) Bis(2-ethylhexyl)phthalate	21.18	149	488	0.09	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.17	276	433	0.01	ng	# 89
35) Benzo(b)fluoranthene	22.92	252	248	0.02	ng	# 1
36) Benzo(k)fluoranthene	22.92	252	253	0.03	ng	# 5
37) Benzo(a)pyrene	23.55	252	124	0.01	ng	# 1
39) Benzo(a,h,i)perylene	26.93	276	464	0.01	ng	# 16

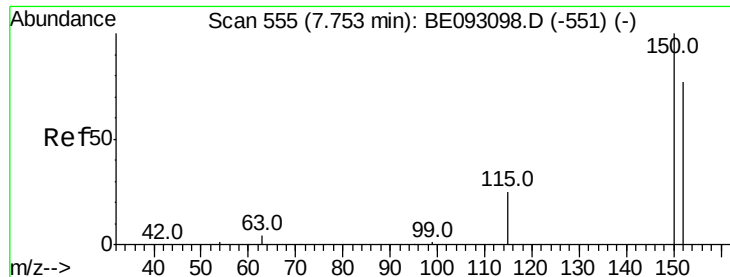
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :

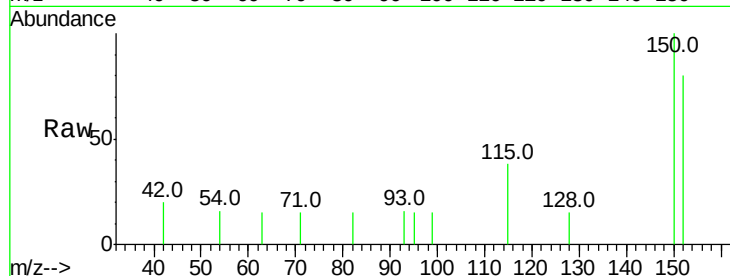
Tot Ion:152 Resp: 521

Ion Ratio Lower Upper

152 100

150 125.0 125.1 187.7#

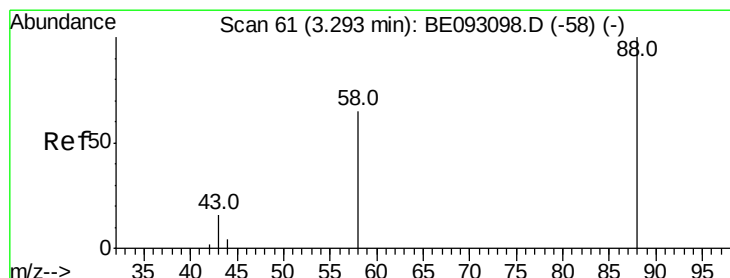
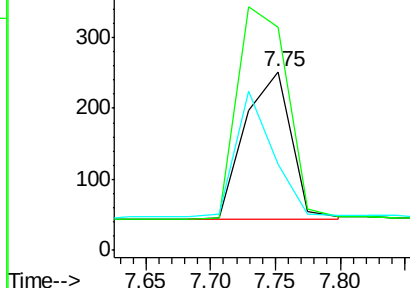
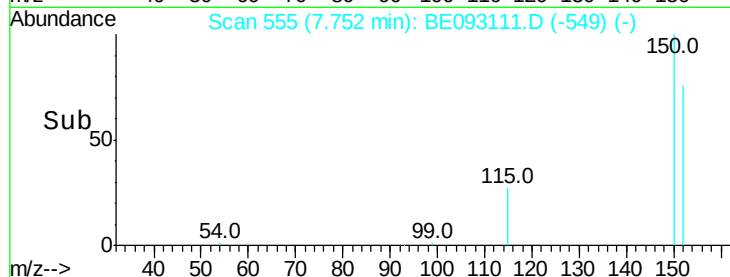
115 48.0 55.7 83.5#



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: 0.06 ng

RT: 3.29 min Scan# 61

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

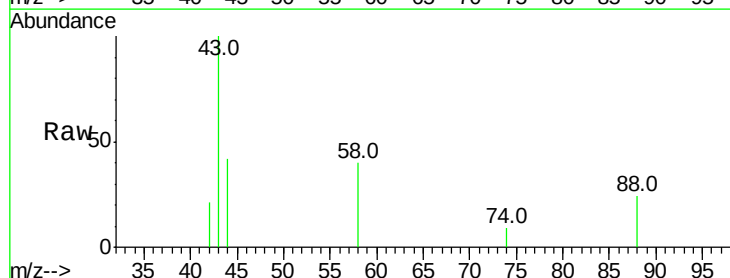
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

58 148.4 62.2 93.4#

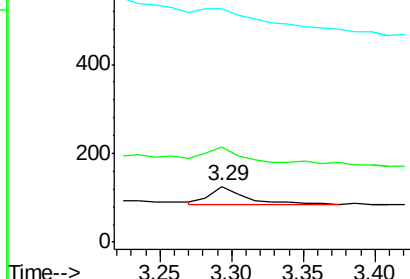
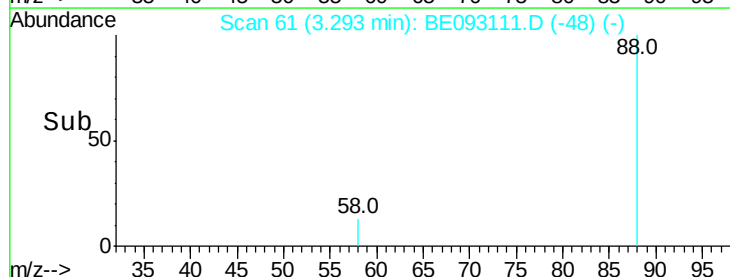
43 0.0 23.2 34.8#

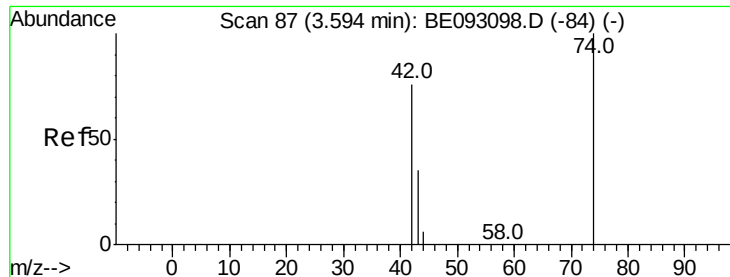


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.56 min Scan# 84

Delta R.T. -0.03 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampled :

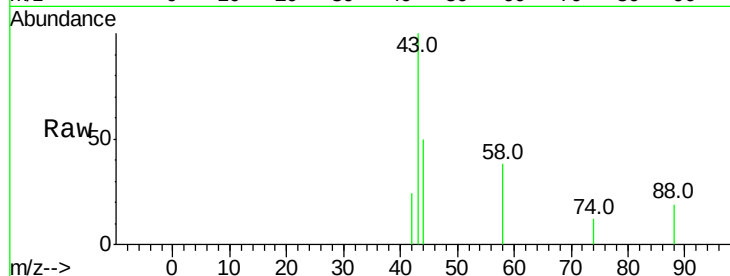
Tot Ion: 42 Resp: 35

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

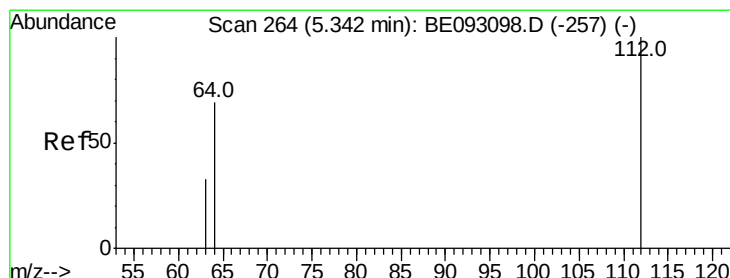
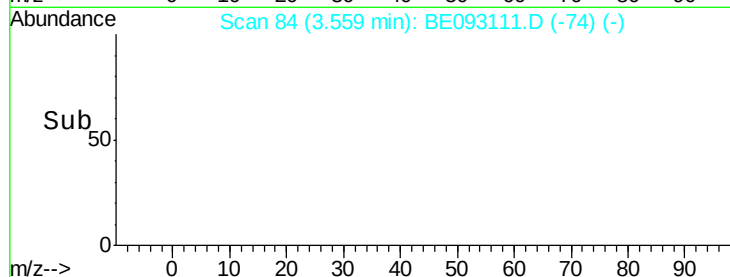
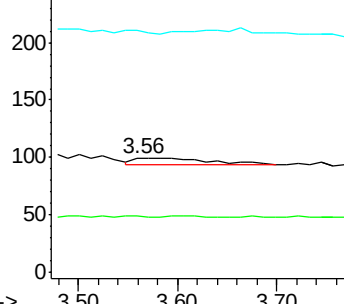
44 0.0 7.4 11.2#



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: 0.20 ng

RT: 5.34 min Scan# 264

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

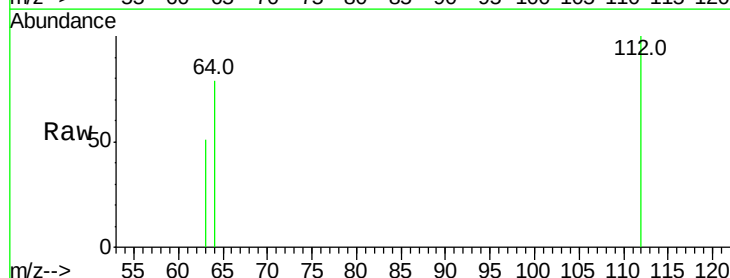
Tgt Ion: 112 Resp: 301

Ion Ratio Lower Upper

112 100

64 68.4 56.4 84.6

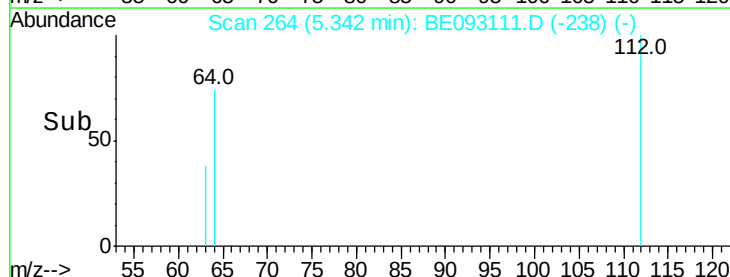
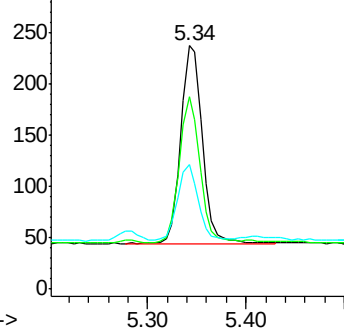
63 36.2 29.3 43.9

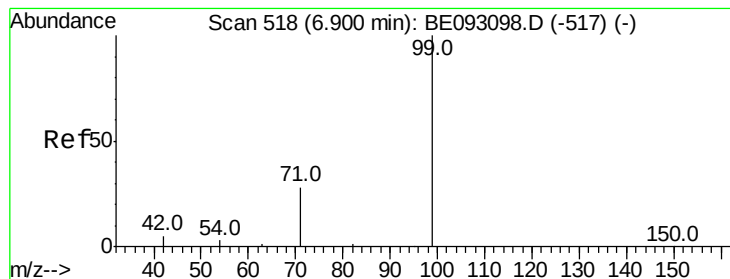


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.12 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :

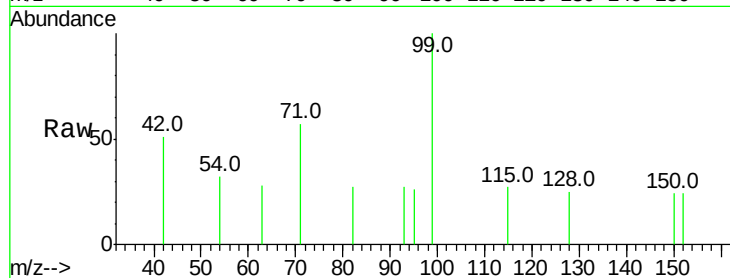
Tot Ion: 99 Resp: 261

Ion Ratio Lower Upper

99 100

42 27.6 0.0 0.0#

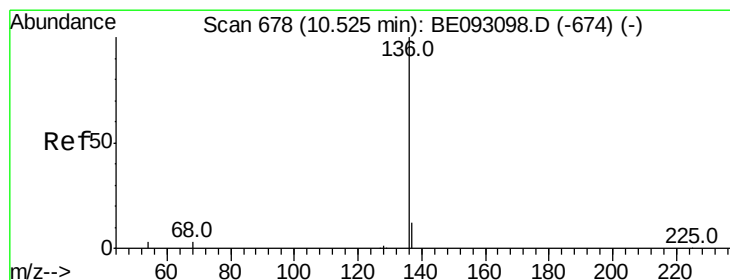
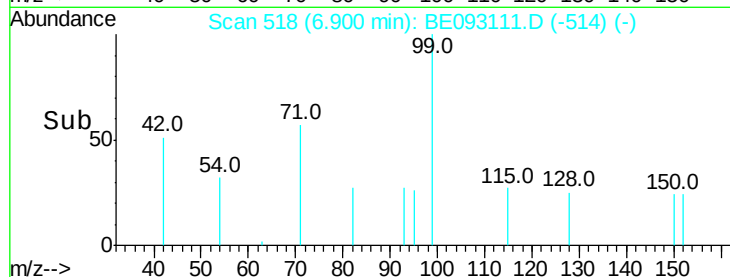
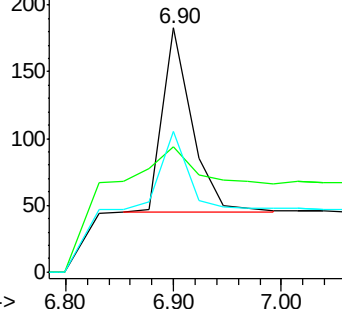
71 39.8 0.0 0.0#



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: BE093111.D

Acq: 12 Jun 2017 20:58

Tgt Ion: 136 Resp: 2355

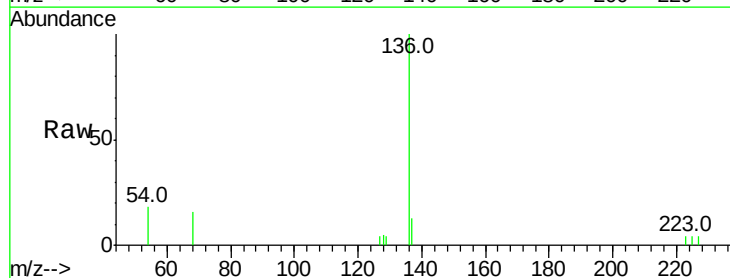
Ion Ratio Lower Upper

136 100

137 13.3 9.8 14.8

54 18.3 10.3 15.5#

68 15.7 9.0 13.4#

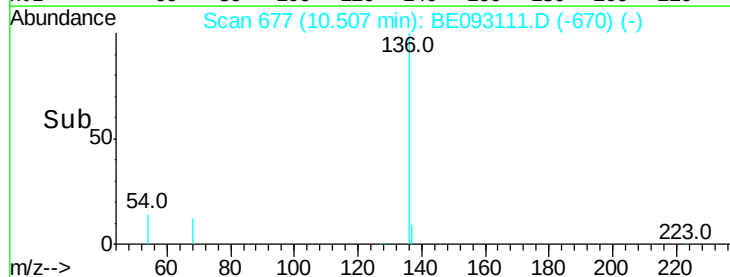
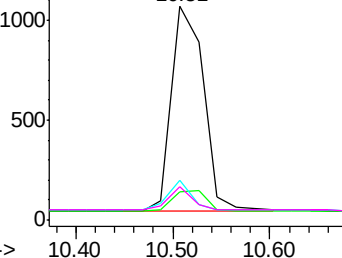


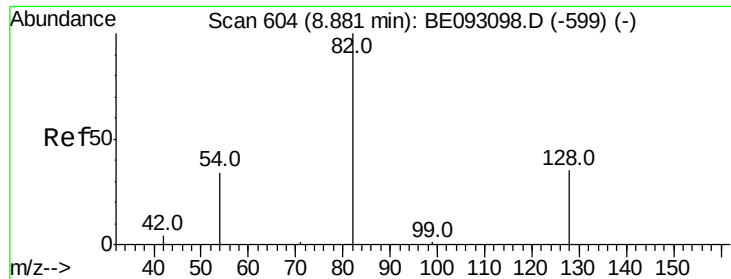
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.37 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampled :

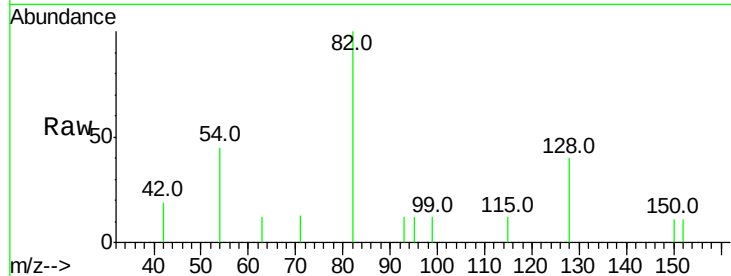
Tot Ion: 82 Resp: 699

Ion Ratio Lower Upper

82 100

128 40.4 17.0 25.4#

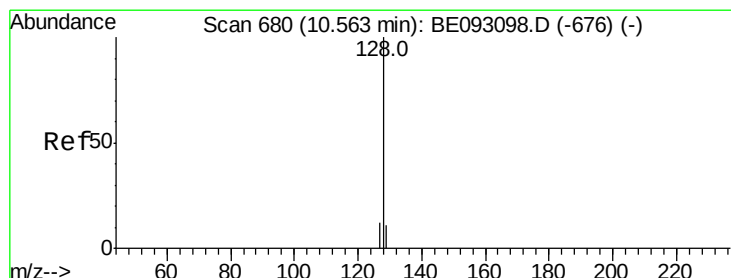
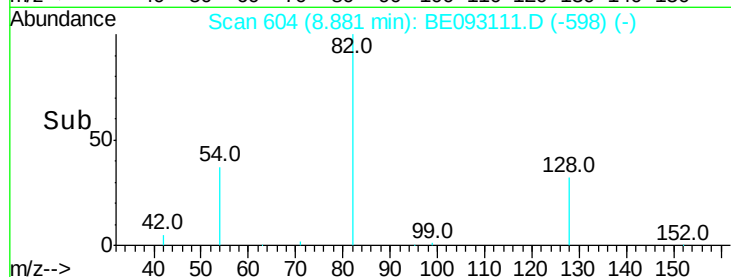
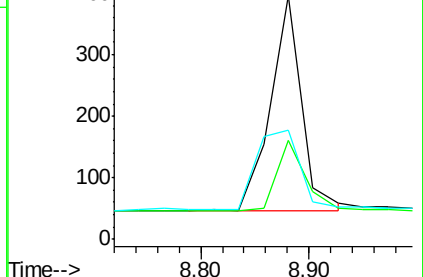
54 44.9 53.8 80.6#



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: 0.19 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

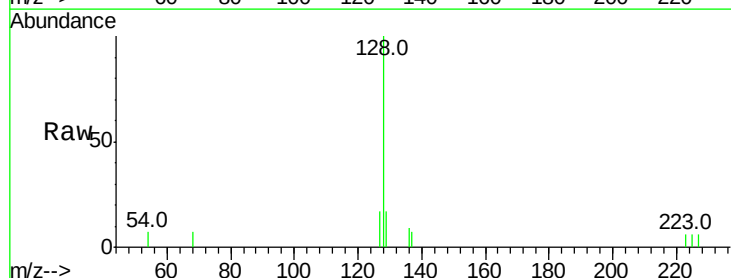
Tgt Ion: 128 Resp: 1213

Ion Ratio Lower Upper

128 100

129 17.0 11.4 17.0

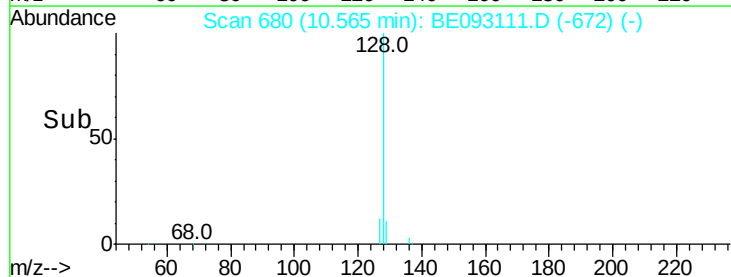
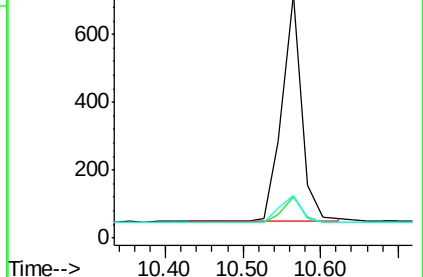
127 17.3 11.2 16.8#

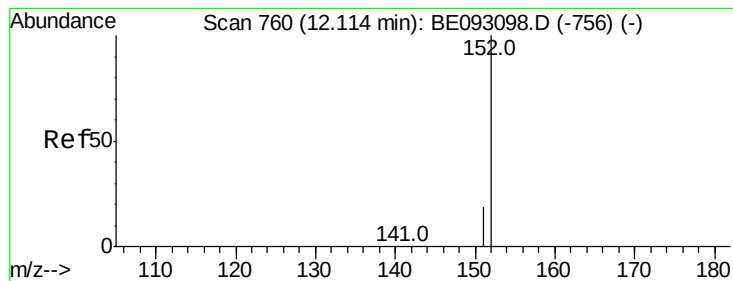


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

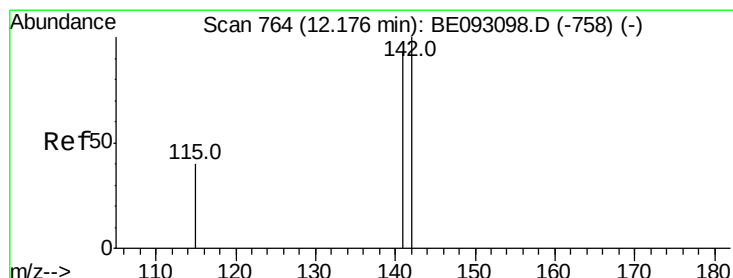
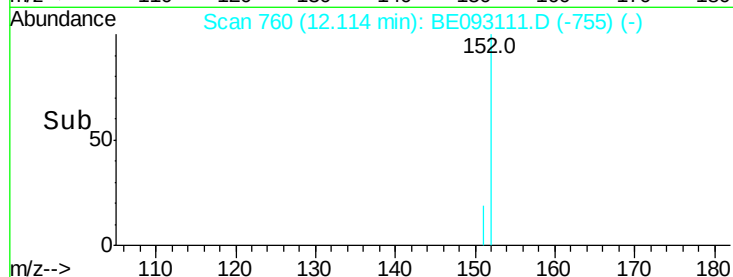
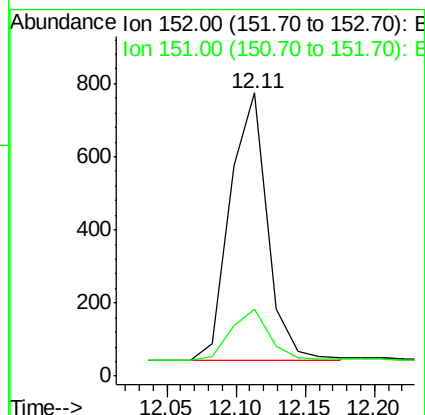
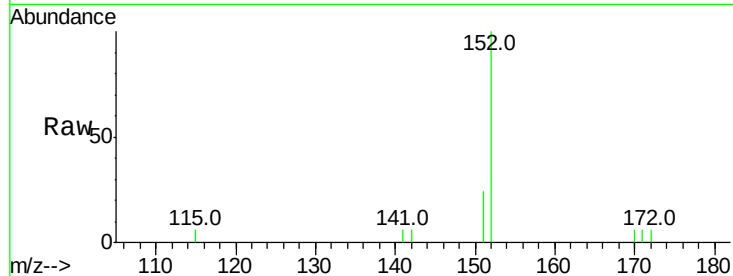




#11
 2-Methylnaphthalene-d10
 Concen: 0.39 ng
 RT: 12.11 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BE093111.D
 Acq: 12 Jun 2017 20:58

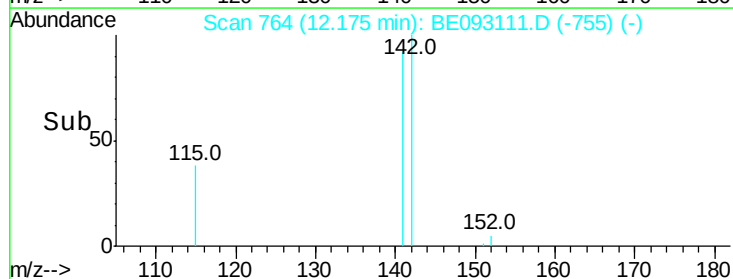
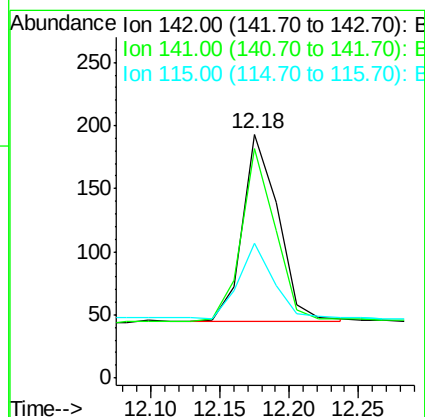
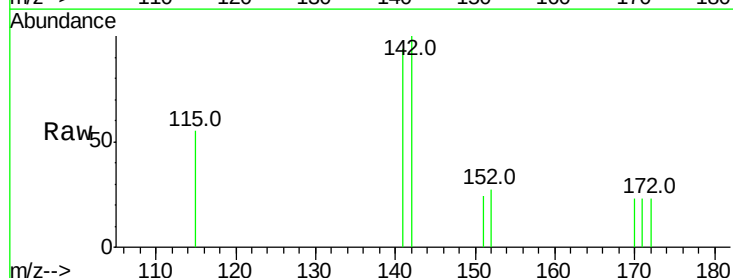
Instrument :
 BNA_E
 ClientSampleId :

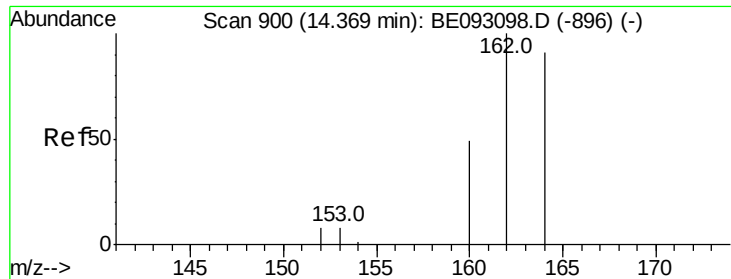
Tot Ion:152 Resp: 1367
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.07 ng
 RT: 12.18 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE093111.D
 Acq: 12 Jun 2017 20:58

Tgt Ion:142 Resp: 266
 Ion Ratio Lower Upper
 142 100
 141 94.3 72.6 108.8
 115 55.4 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: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :

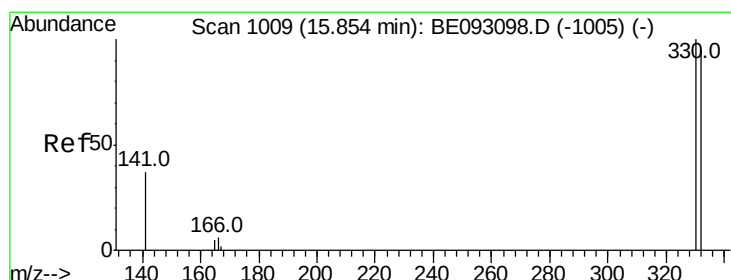
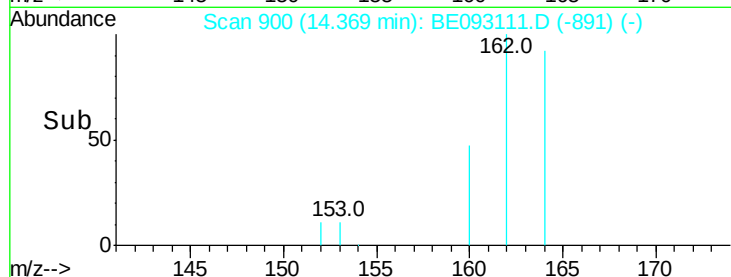
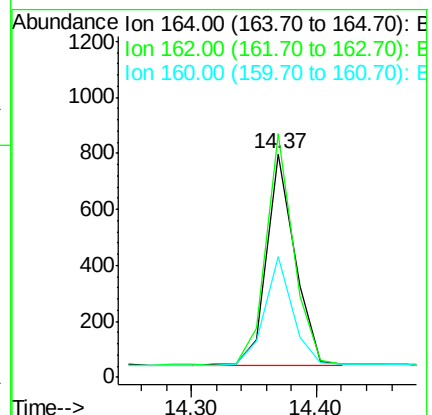
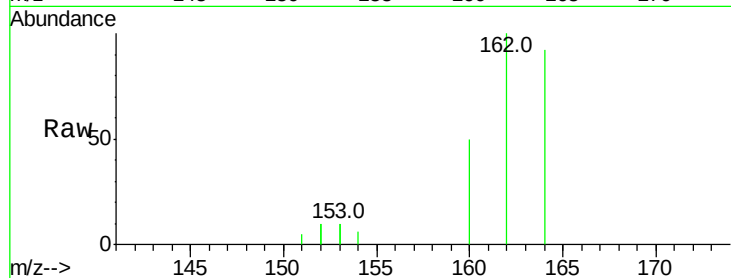
Tot Ion:164 Resp: 1169

Ion Ratio Lower Upper

164 100

162 108.8 84.6 127.0

160 54.2 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.43 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

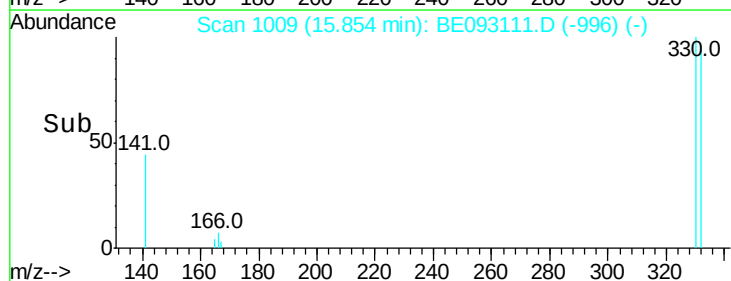
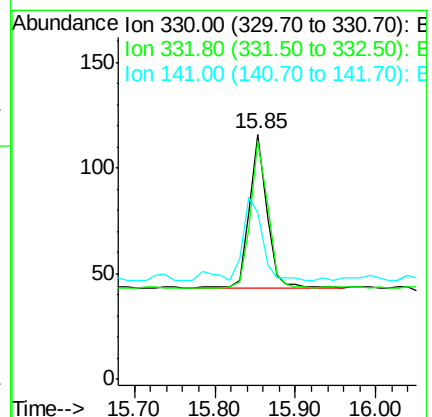
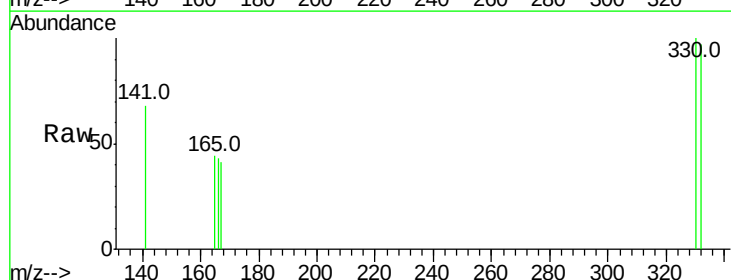
Tgt Ion:330 Resp: 114

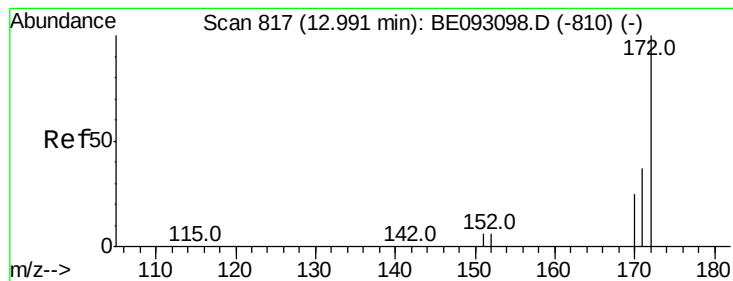
Ion Ratio Lower Upper

330 100

332 93.0 77.7 116.5

141 55.3 56.2 84.4#

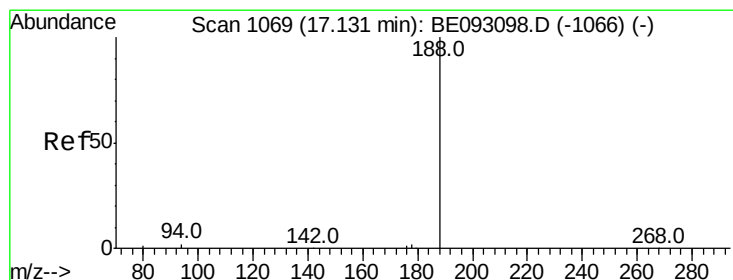
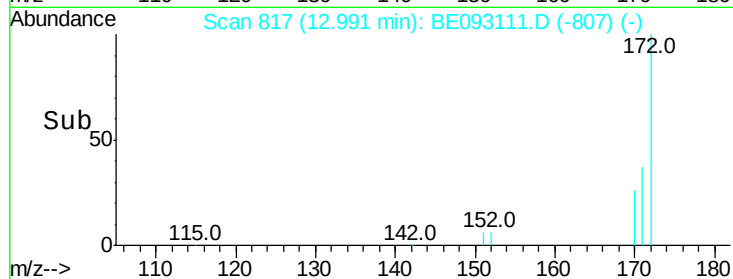
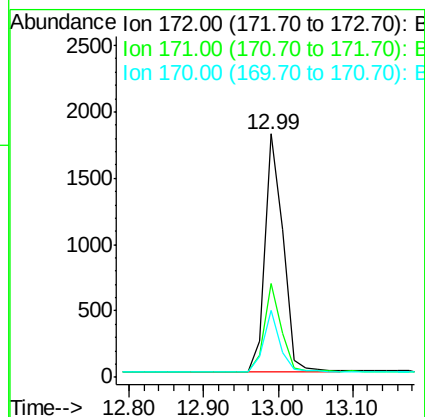
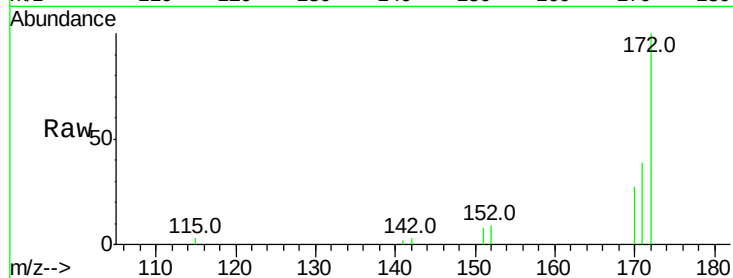




#15
2-Fluorobiphenyl
Concen: 0.60 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

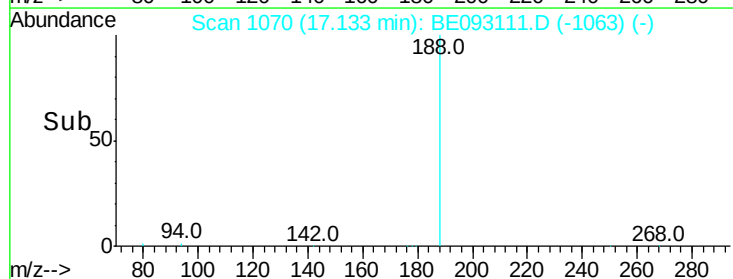
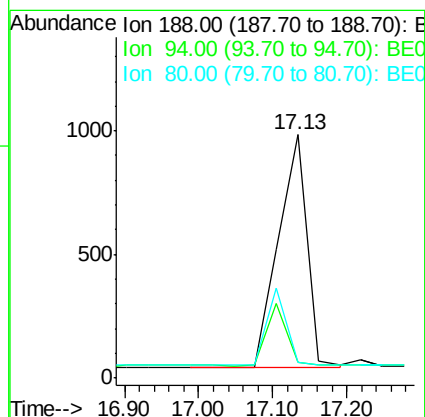
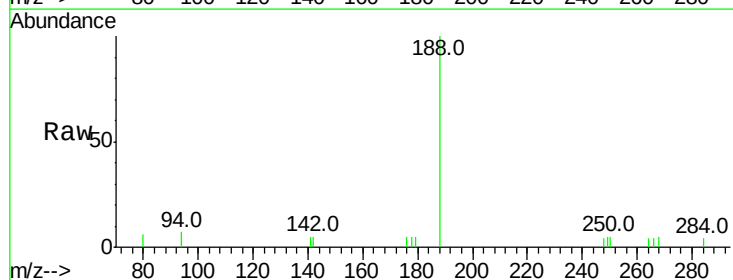
Instrument :
BNA_E
ClientSampleId :

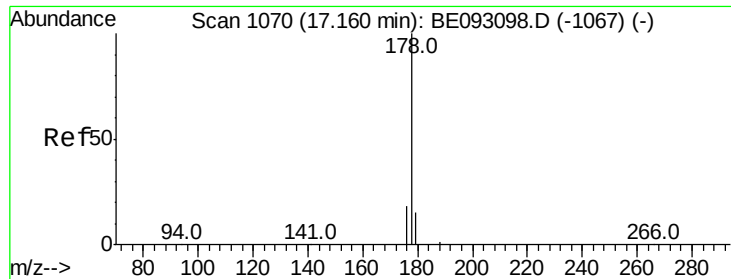
Tot Ion:172 Resp: 2991
Ion Ratio Lower Upper
172 100
171 38.6 29.8 44.6
170 27.4 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

Tgt Ion:188 Resp: 2510
Ion Ratio Lower Upper
188 100
94 6.6 11.3 16.9#
80 6.5 11.7 17.5#





#23

Phenanthrene

Concen: 0.01 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :

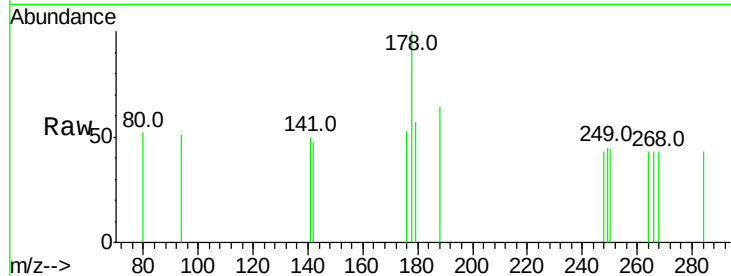
Tot Ion:178 Resp: 114

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

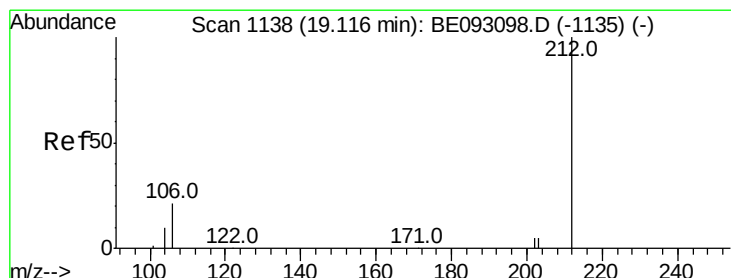
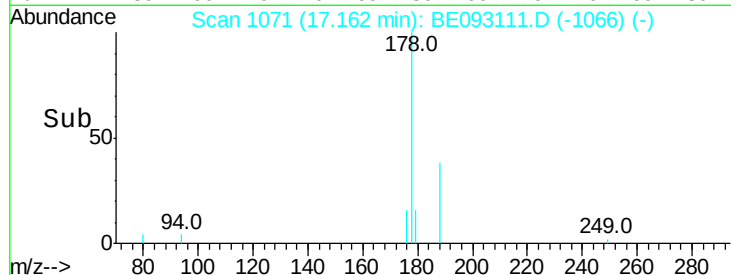
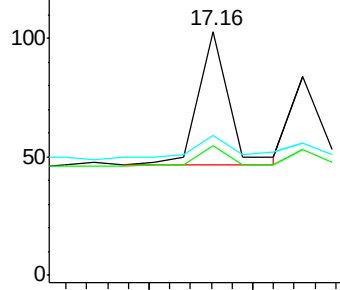
179 19.3 12.7 19.1#



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



#25

Fluoranthene-d10

Concen: 0.45 ng

RT: 19.12 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

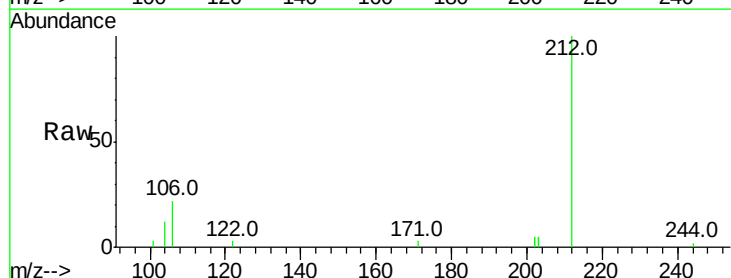
Tgt Ion:212 Resp: 3755

Ion Ratio Lower Upper

212 100

106 16.8 0.0 0.0#

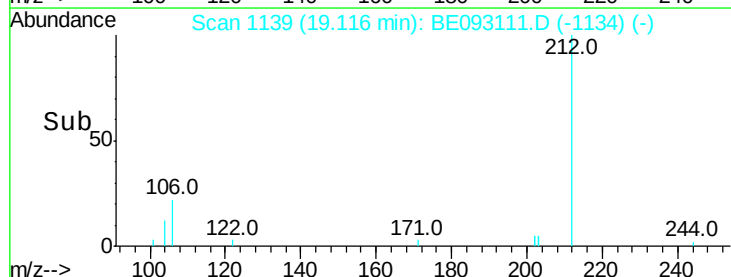
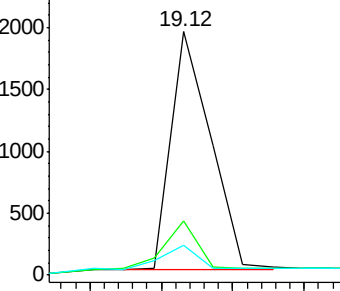
104 9.2 0.0 0.0#

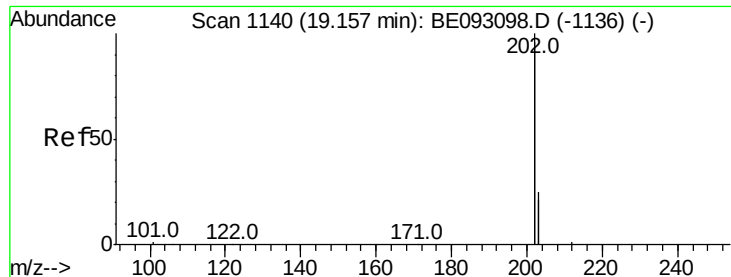


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

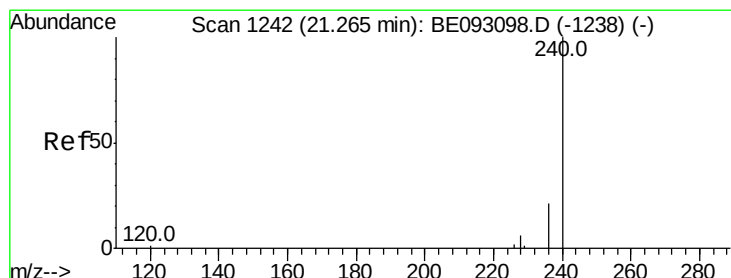
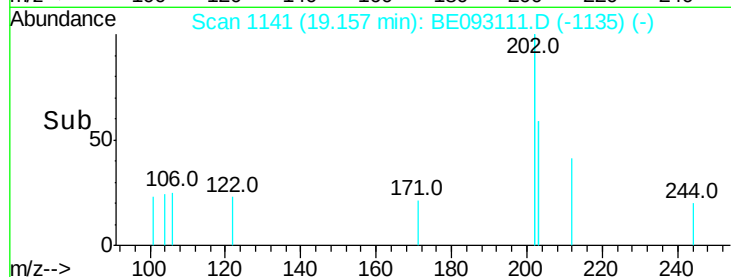
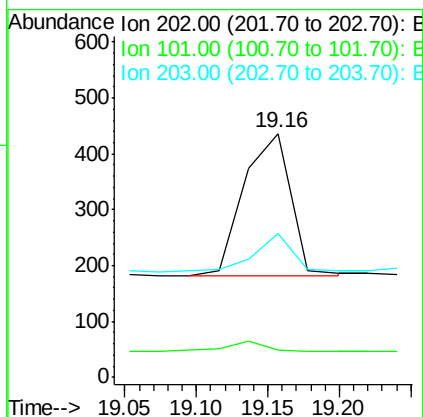
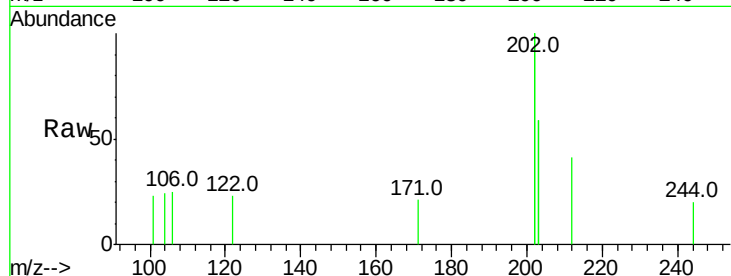




#26
Fluoranthene
Concen: 0.01 ng
RT: 19.16 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

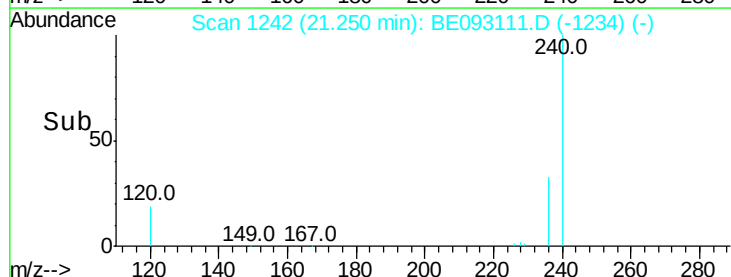
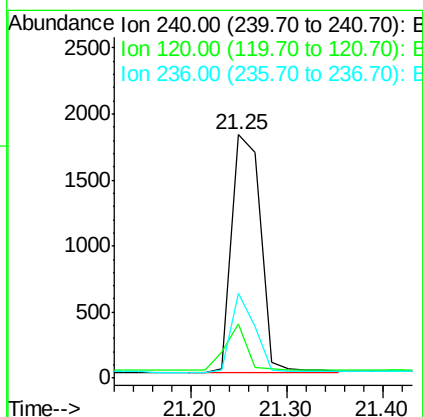
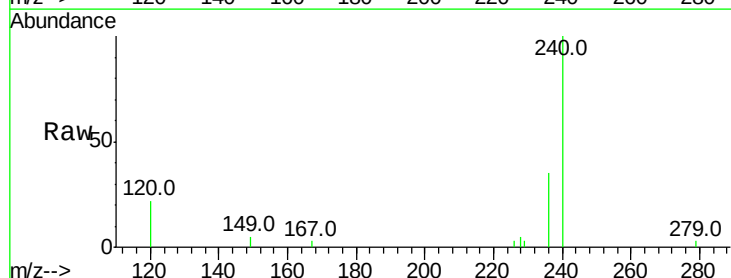
Instrument :
BNA_E
ClientSampled :

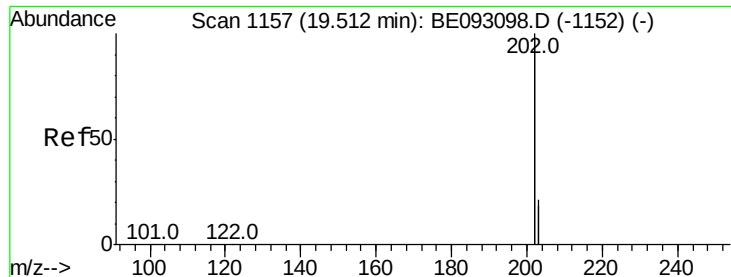
Tot Ion:202 Resp: 586
Ion Ratio Lower Upper
202 100
101 0.0 0.0 0.0
203 0.0 14.4 21.6#



#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.25 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

Tgt Ion:240 Resp: 3762
Ion Ratio Lower Upper
240 100
120 22.1 4.6 7.0#
236 34.8 20.8 31.2#





#28

Pvrene

Concen: 0.02 ng

RT: 19.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :

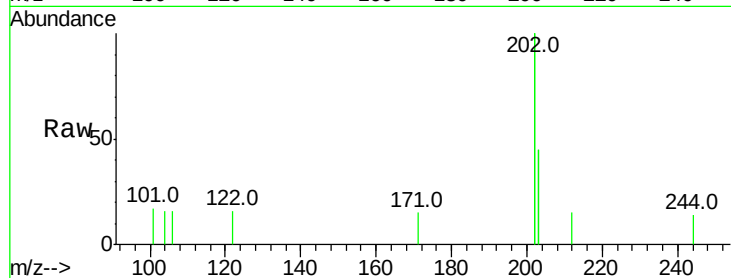
Tot Ion:202 Resp: 733

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

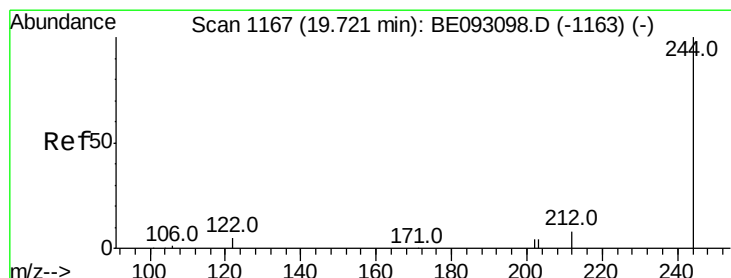
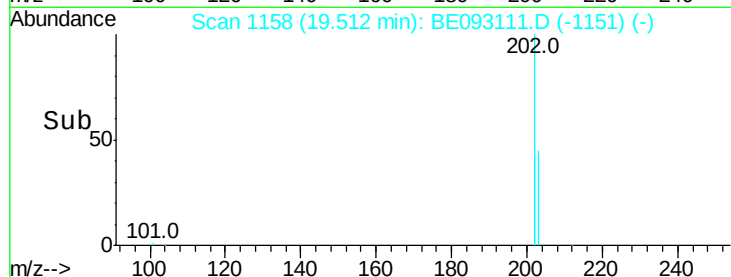
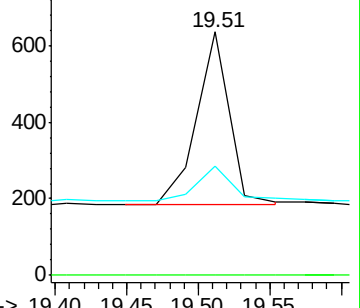
203 22.2 13.7 20.5#



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



#29

Terphenyl-d14

Concen: 0.53 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

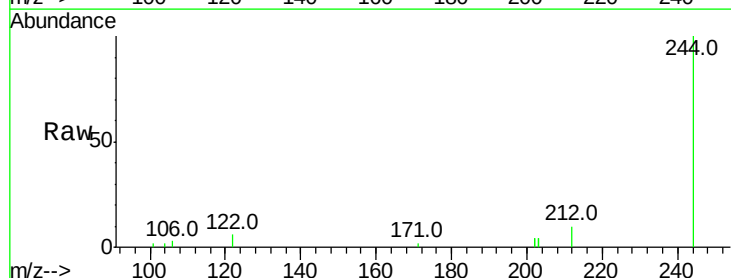
Tgt Ion:244 Resp: 3843

Ion Ratio Lower Upper

244 100

212 10.1 10.6 16.0#

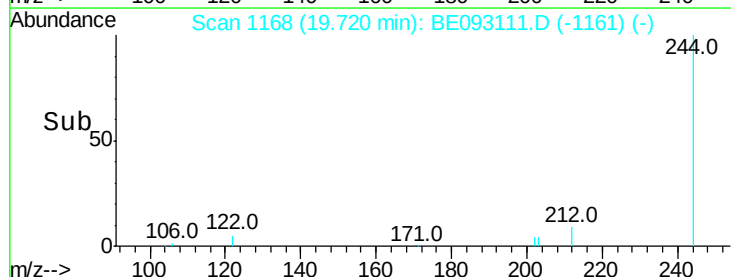
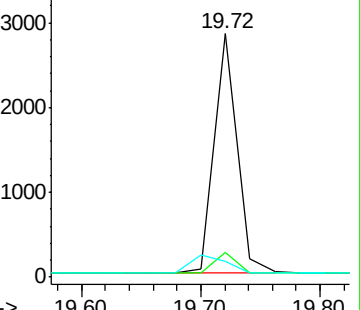
122 6.4 15.4 23.0#

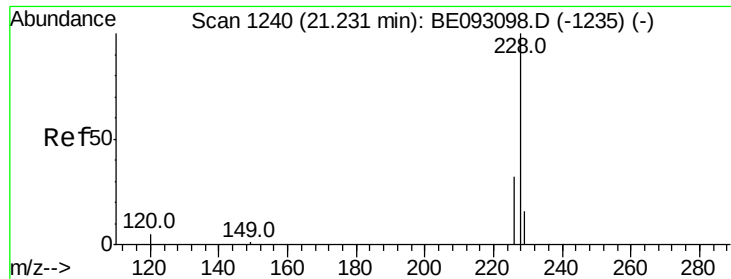


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.01 ng

RT: 21.23 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampled :

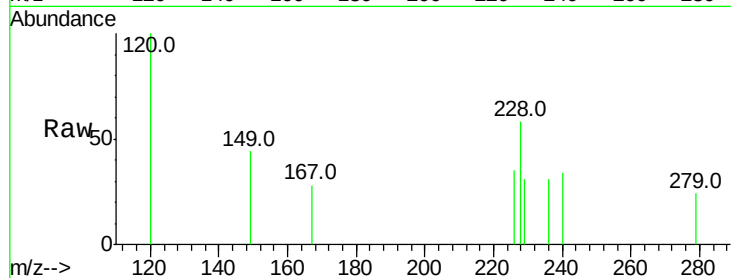
Tot Ion:228 Resp: 145

Ion Ratio Lower Upper

228 100

226 59.6 19.7 29.5#

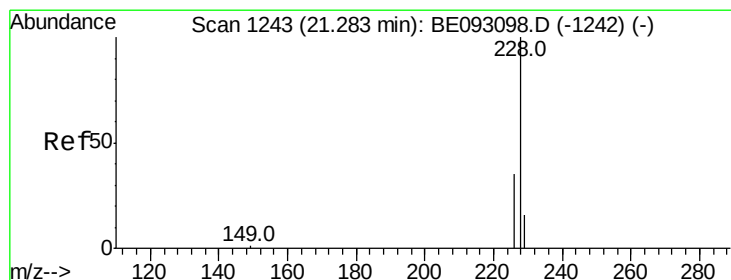
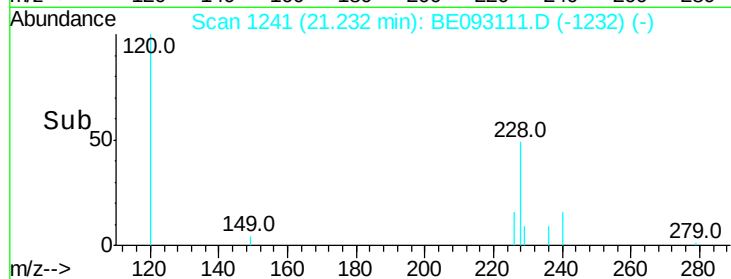
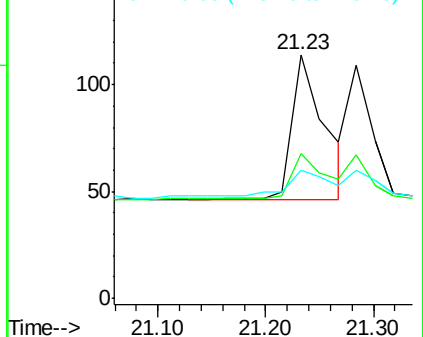
229 52.6 19.2 28.8#



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



#31

Chrysene

Concen: 0.01 ng

RT: 21.23 min Scan# 1241

Delta R.T. -0.05 min

Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

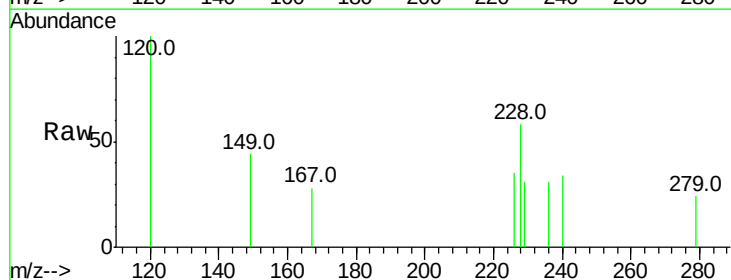
Tgt Ion:228 Resp: 145

Ion Ratio Lower Upper

228 100

226 59.6 21.5 32.3#

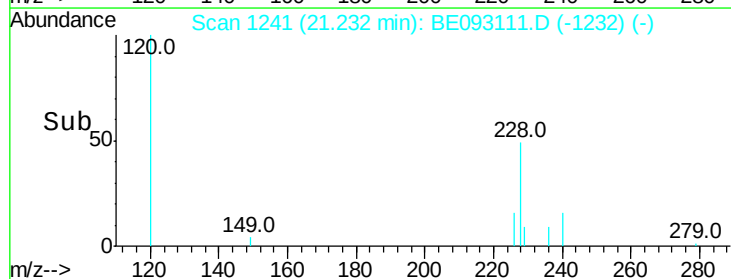
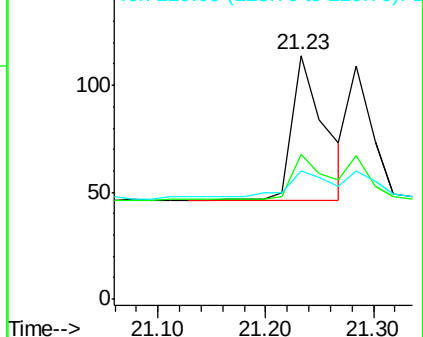
229 52.6 18.6 28.0#

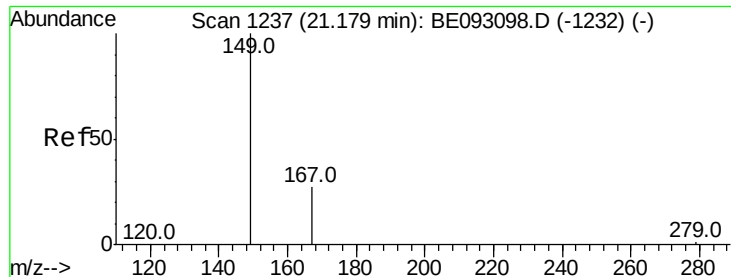


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

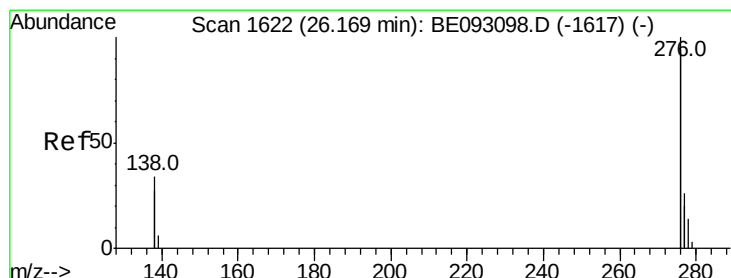
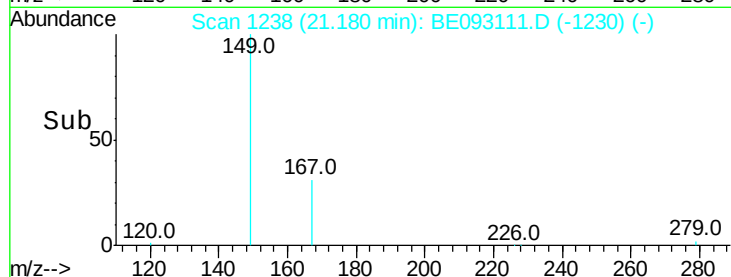
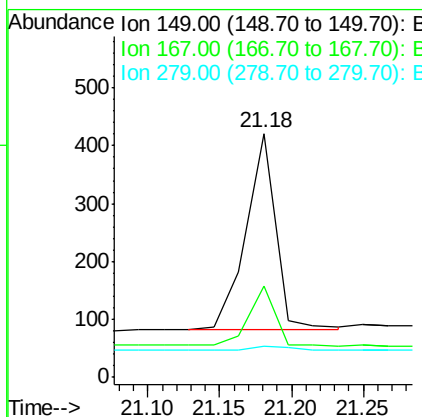
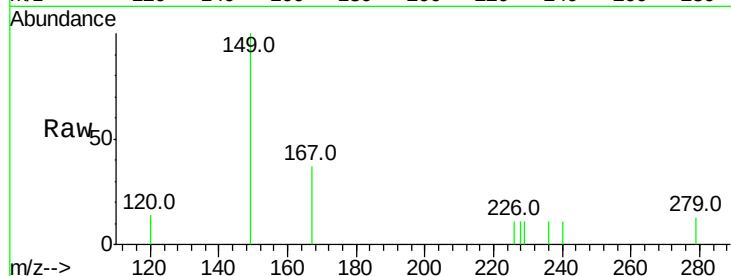




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.09 ng
 RT: 21.18 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BE093111.D
 Acq: 12 Jun 2017 20:58

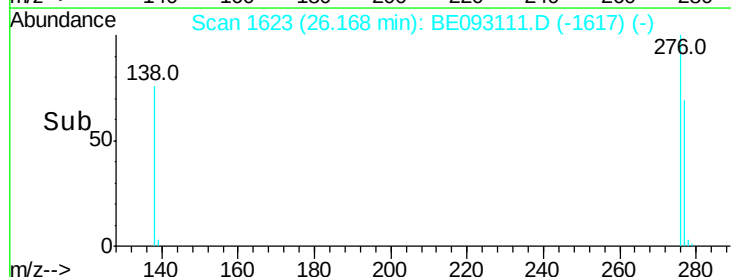
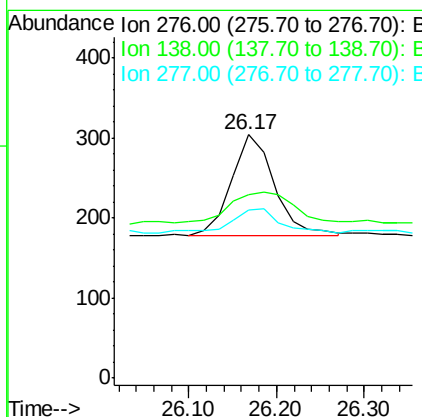
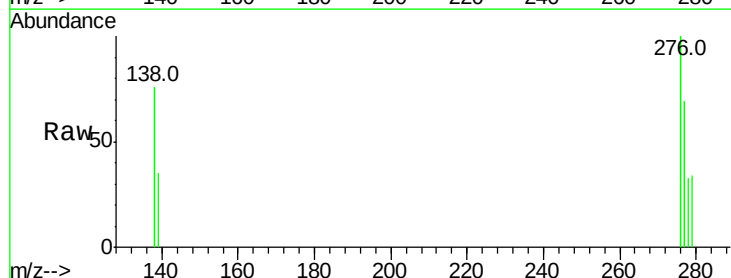
Instrument :
 BNA_E
 ClientSampled :

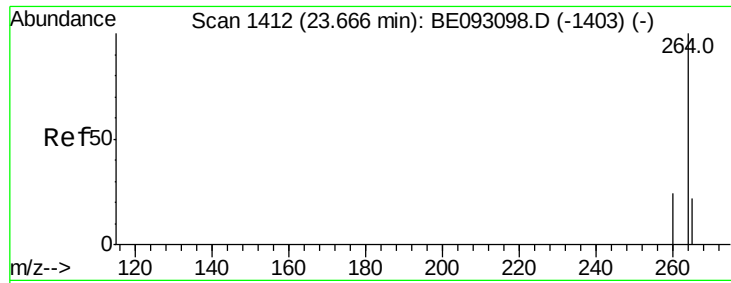
Tot Ion:149 Resp: 488
 Ion Ratio Lower Upper
 149 100
 167 26.4 20.1 30.1
 279 0.0 2.2 3.4#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 26.17 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BE093111.D
 Acq: 12 Jun 2017 20:58

Tgt Ion:276 Resp: 433
 Ion Ratio Lower Upper
 276 100
 138 44.8 27.4 41.2#
 277 24.5 20.1 30.1



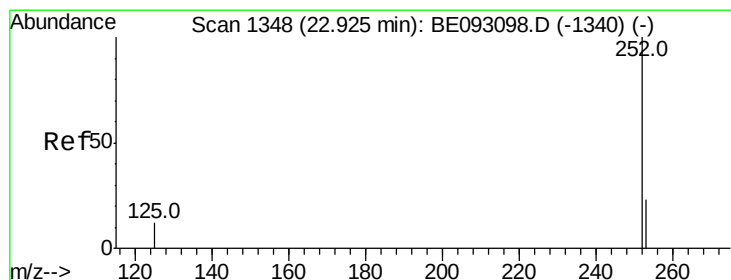
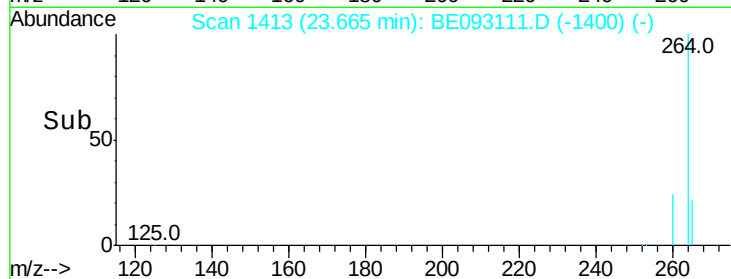
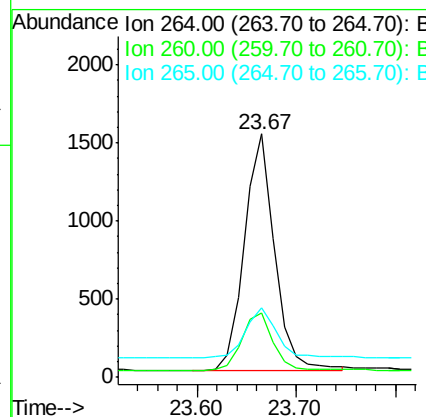
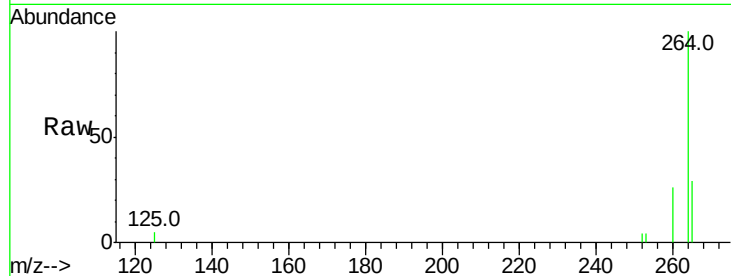


#34
Pervlene-d12
Concen: 0.40 ng
RT: 23.67 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 3169

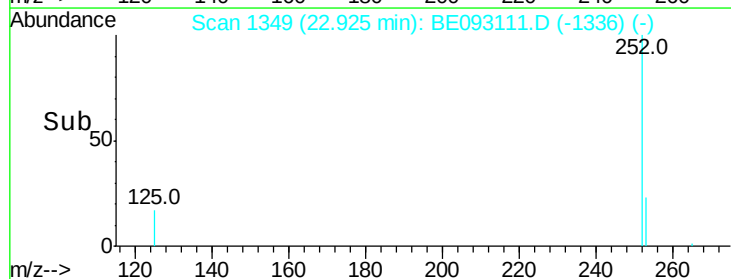
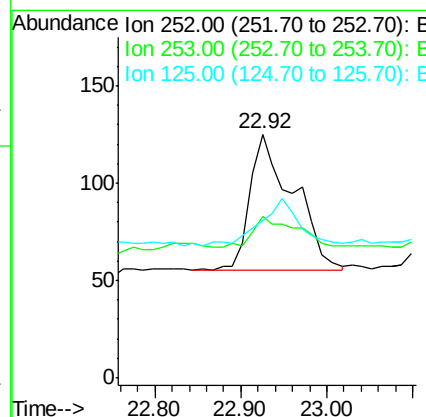
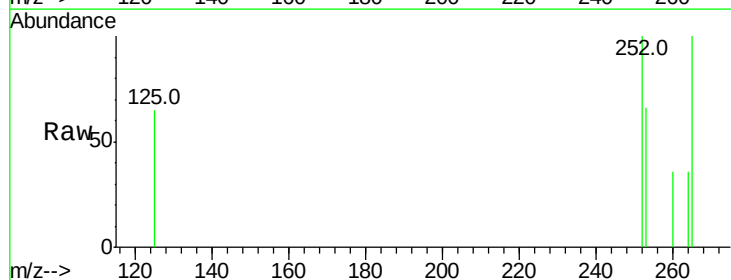
Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.0	31.4
265	28.6	24.6	36.8

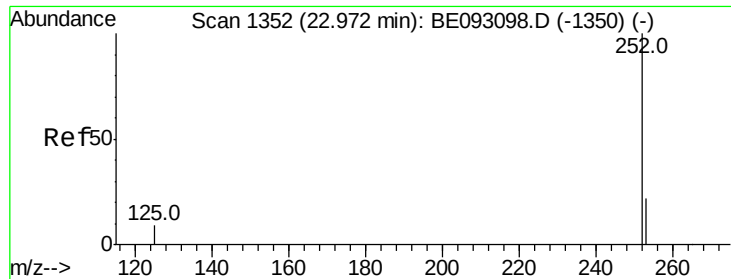


#35
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.92 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

Tgt Ion:252 Resp: 248

Ion	Ratio	Lower	Upper
252	100		
253	66.4	18.5	27.7#
125	64.8	13.4	20.0#

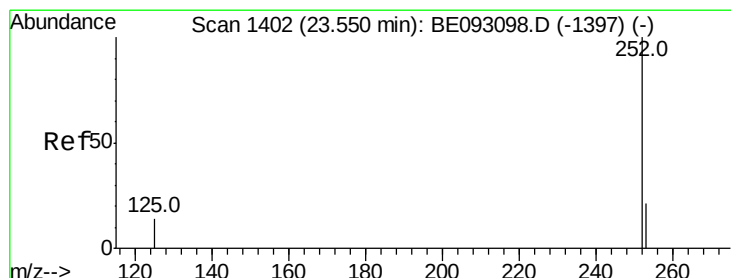
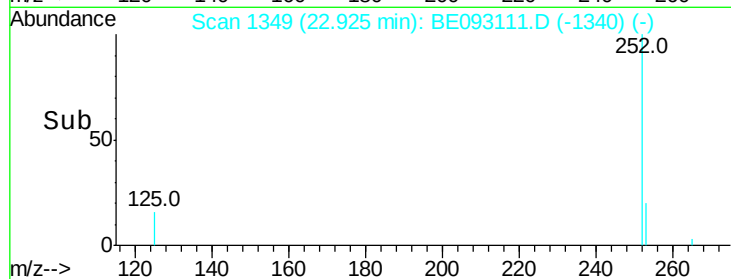
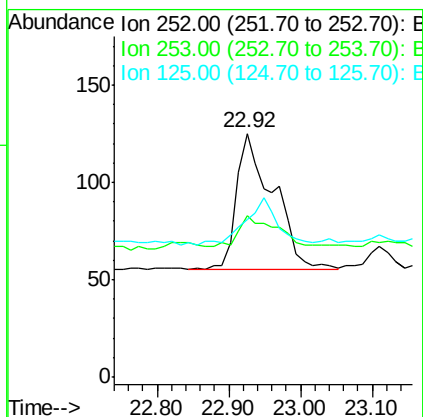
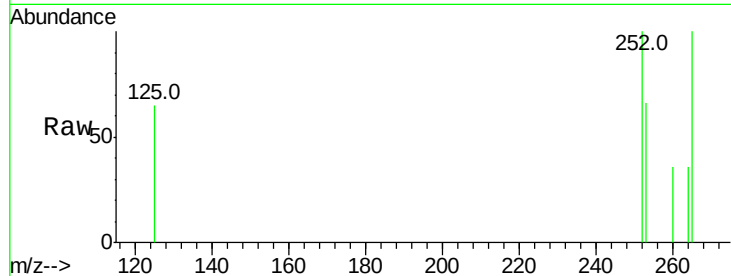




#36
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.92 min Scan# 1349
Delta R.T. -0.05 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

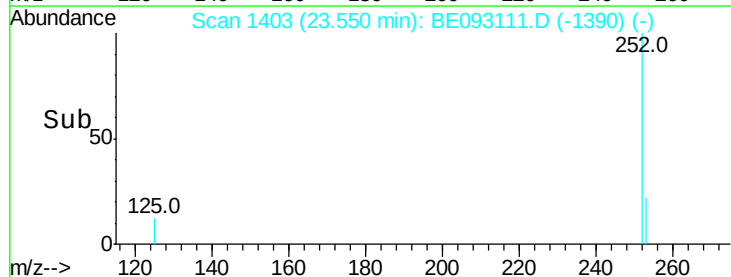
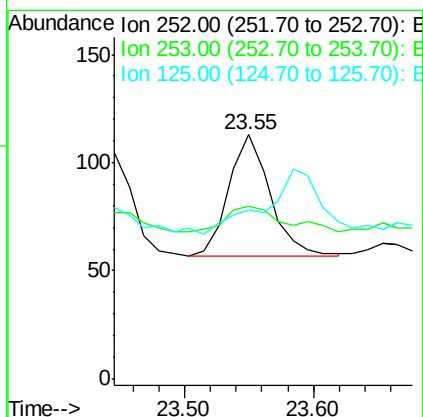
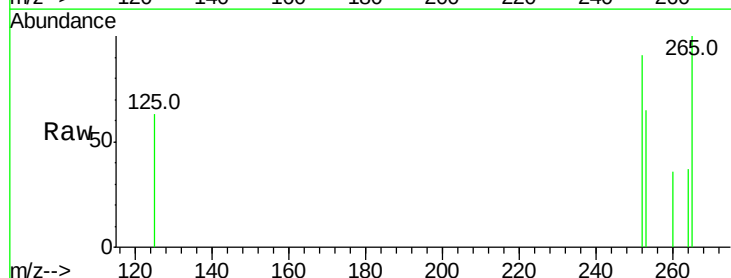
Instrument :
BNA_E
ClientSampleId :

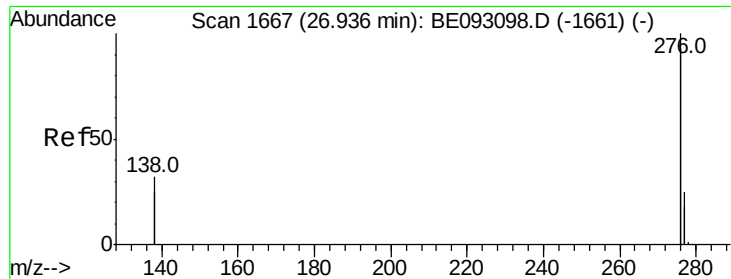
Tot Ion:252 Resp: 253
Ion Ratio Lower Upper
252 100
253 66.4 20.3 30.5#
125 64.8 12.2 18.4#



#37
Benzo(a)pyrene
Concen: 0.01 ng
RT: 23.55 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE093111.D
Acq: 12 Jun 2017 20:58

Tgt Ion:252 Resp: 124
Ion Ratio Lower Upper
252 100
253 70.8 19.9 29.9#
125 69.0 14.6 21.8#





#39

Benzo(a,h,i)perylene

Concen: 0.01 ng

RT: 26.93 min Scan# 1668

Delta R.T. -0.00 min

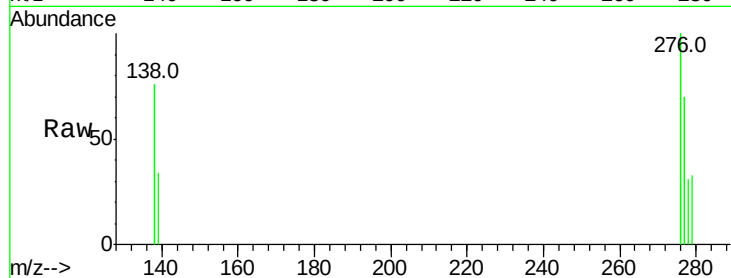
Lab File: BE093111.D

Acq: 12 Jun 2017 20:58

Instrument :

BNA_E

ClientSampleId :



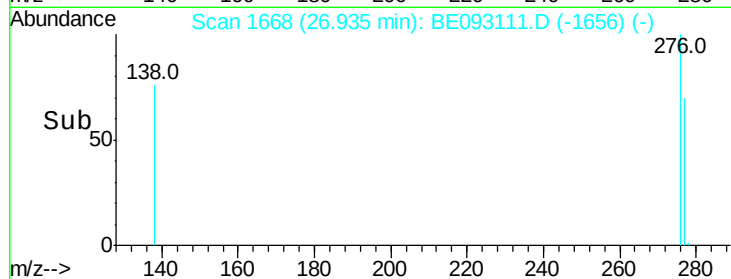
Tot Ion: 276 Resp: 464

Ion Ratio Lower Upper

276 100

277 70.1 21.2 31.8#

138 76.2 24.5 36.7#



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

