

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093022.D
 Acq On : 12 May 2017 17:39
 Operator : SJ/MA
 Sample : I3079-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-170509

Quant Time: May 12 18:56:04 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	992	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	4155	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	3269	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5296	0.40	ng	0.00
27) Chrysene-d12	21.28	240	6572	0.40	ng	0.00
34) Perylene-d12	23.70	264	4970	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	430	0.16	ng	-0.02
5) Phenol-d6	6.95	99	473	0.14	ng	0.00
8) Nitrobenzene-d5	8.88	82	2670	0.82	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	2299	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	349	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	4373	0.34	ng	0.00
25) Fluoranthene-d10	19.14	212	4571	0.33	ng	-0.02
29) Terphenyl-d14	19.74	244	7236	0.62	ng	0.00

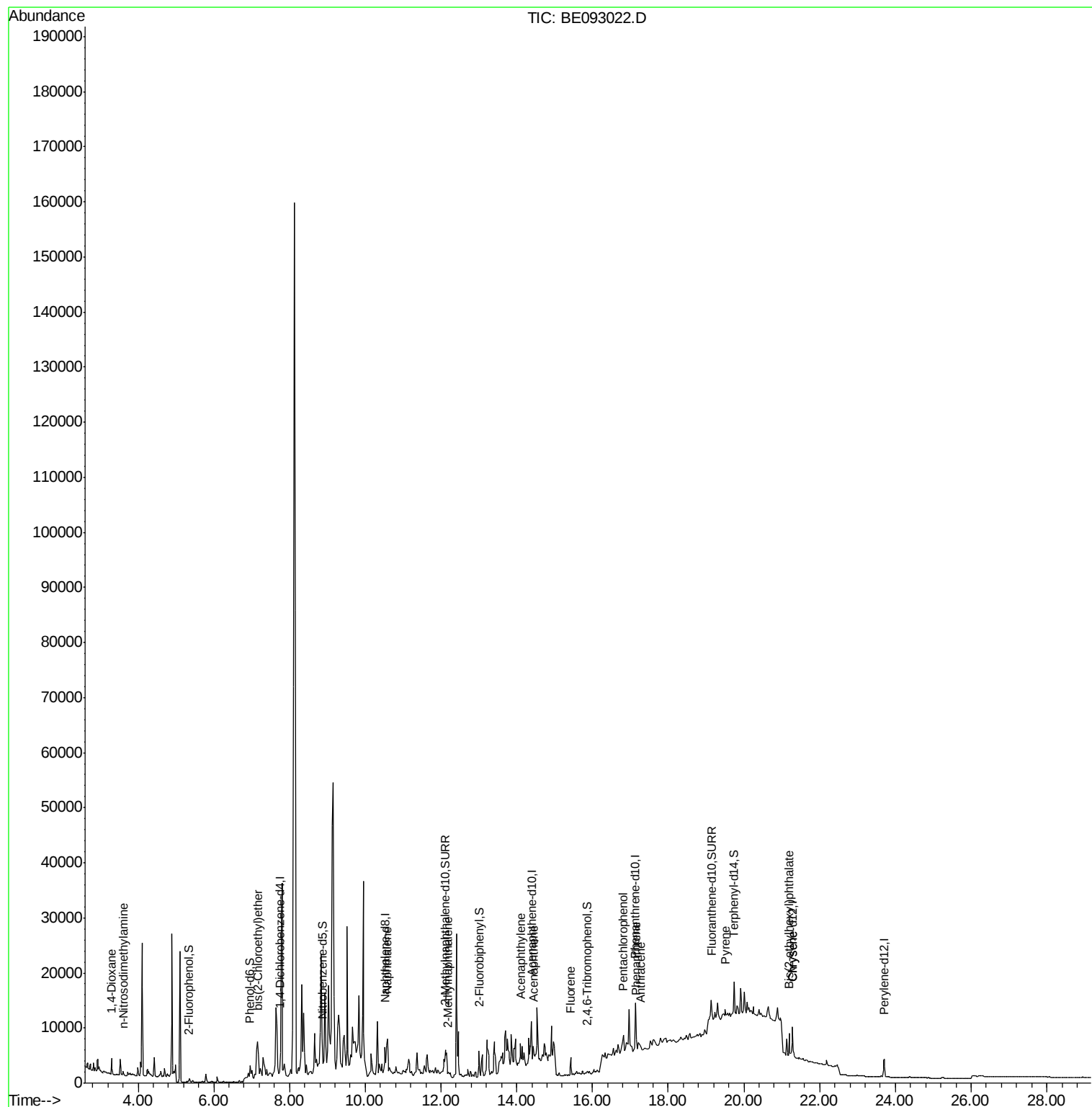
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	1223	0.61	ng	# 38
3) n-Nitrosodimethylamine	3.62	42	134	0.08	ng	# 3
6) bis(2-Chloroethyl)ether	7.18	93	4872	1.46	ng	# 94
9) Naphthalene	10.58	128	10898	0.98	ng	# 69
12) 2-Methylnaphthalene	12.19	142	597	0.09	ng	# 9
16) Acenaphthylene	14.10	152	3898	0.07	ng	# 10
17) Acenaphthene	14.44	154	586	0.06	ng	# 70
18) Fluorene	15.43	166	2151	0.17	ng	# 96
21) Hexachlorobenzene	16.47	284	7	Below Cal		# 100
22) Pentachlorophenol	16.82	266	19	0.11	ng	# 82
23) Phenanthrene	17.16	178	1302	0.04	ng	# 1
24) Anthracene	17.28	178	618	0.06	ng	# 42
28) Pyrene	19.51	202	2338	0.03	ng	# 61
31) Chrysene	21.28	228	527	0.03	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.20	149	4536	0.66	ng	# 96

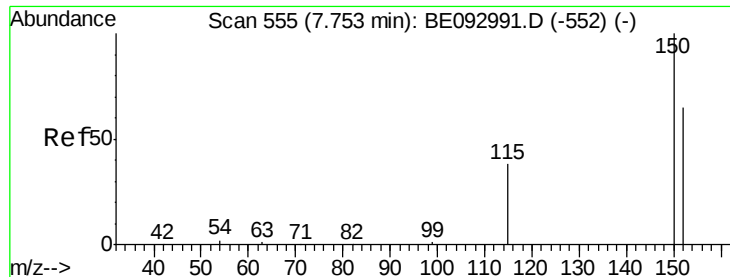
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

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ClientSampleId :

SS043MW009-170509

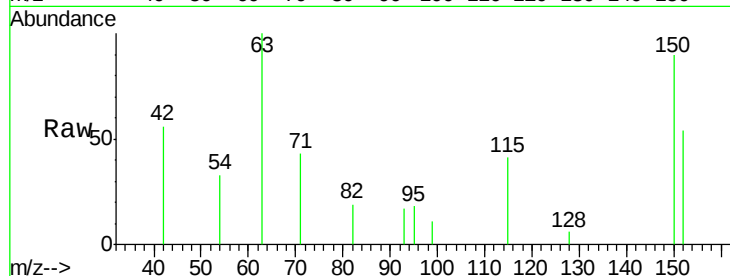
Tgt Ion: 152 Resp: 992

Ion Ratio Lower Upper

152 100

150 167.7 125.1 187.7

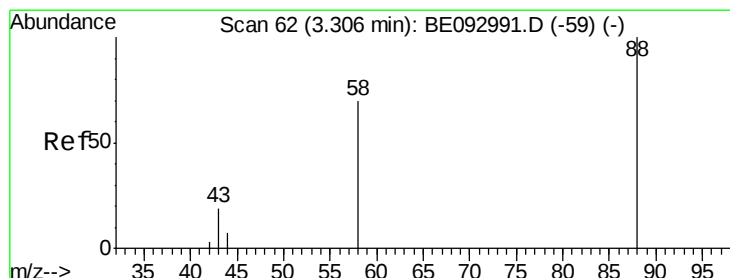
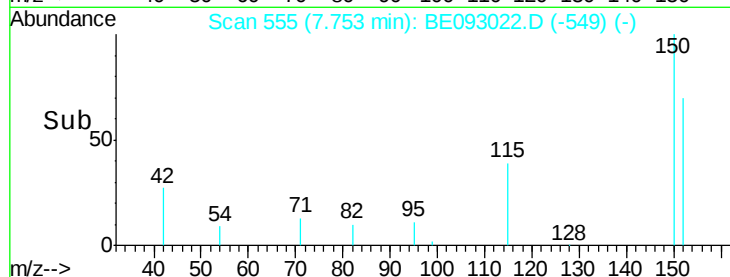
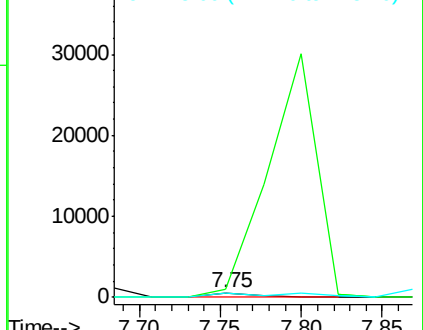
115 76.1 55.7 83.5



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: 0.61 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

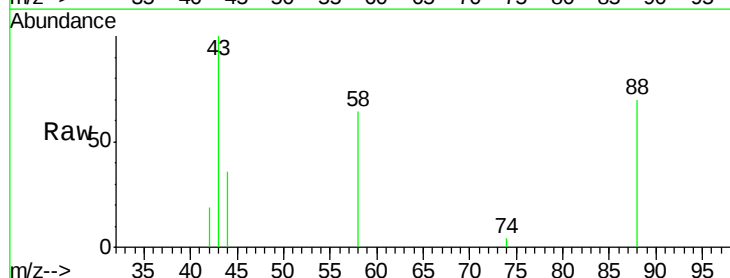
Tgt Ion: 88 Resp: 1223

Ion Ratio Lower Upper

88 100

58 90.4 62.2 93.4

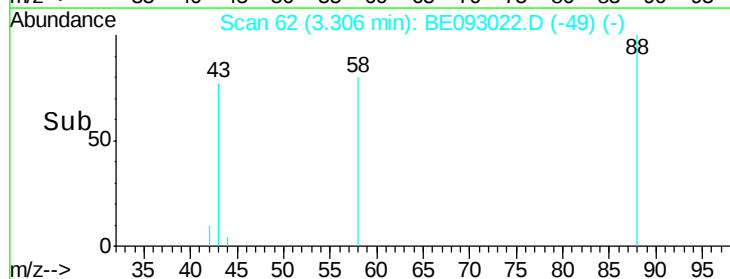
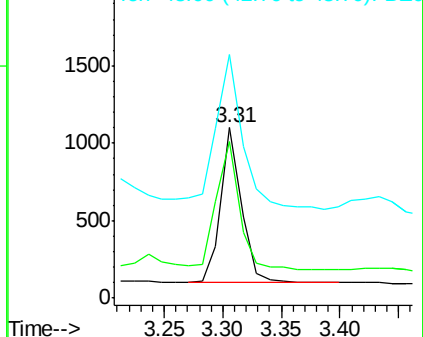
43 130.1 23.2 34.8#

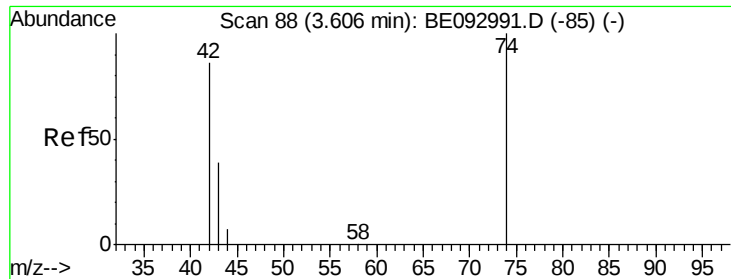


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.62 min Scan# 89

Delta R.T. 0.01 min

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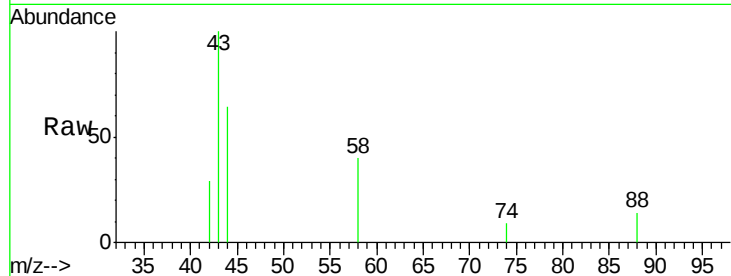
Tgt Ion: 42 Resp: 134

Ion Ratio Lower Upper

42 100

74 7.5 99.1 148.7#

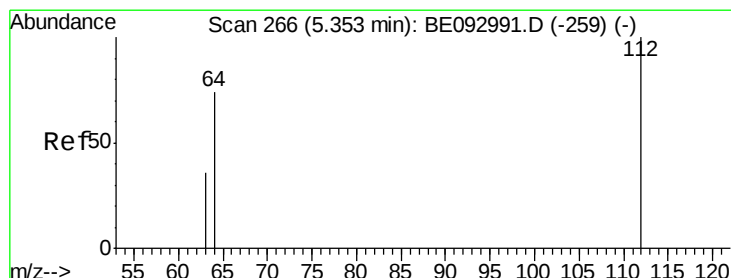
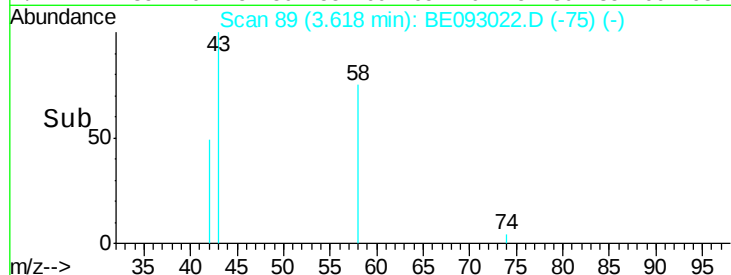
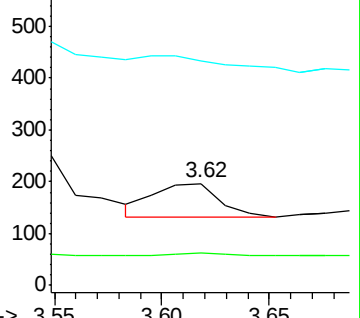
44 0.0 7.4 11.2#



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: 0.16 ng

RT: 5.34 min Scan# 264

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

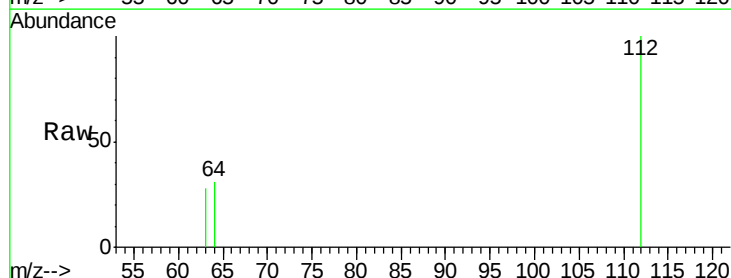
Tgt Ion: 112 Resp: 430

Ion Ratio Lower Upper

112 100

64 74.2 56.4 84.6

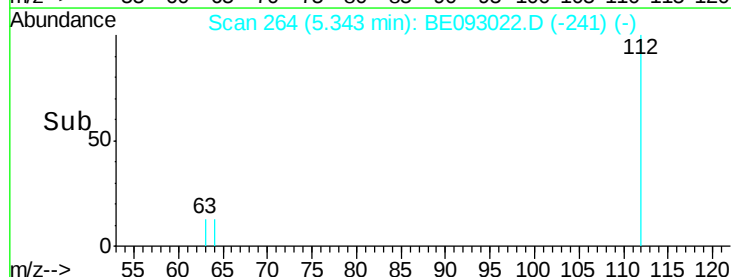
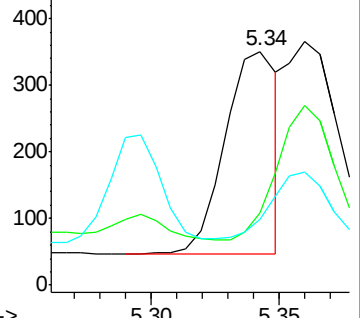
63 39.8 29.3 43.9

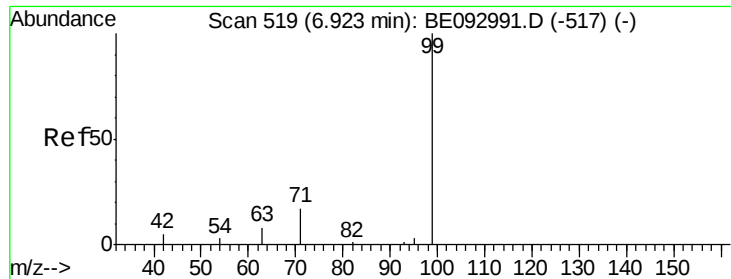


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.14 ng

RT: 6.95 min Scan# 520

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

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SS043MW009-170509

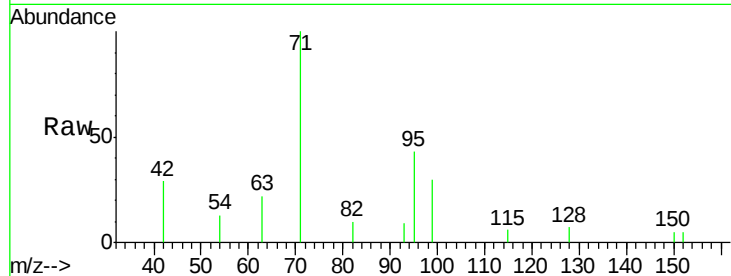
Tgt Ion: 99 Resp: 473

Ion Ratio Lower Upper

99 100

42 129.8 0.0 0.0#

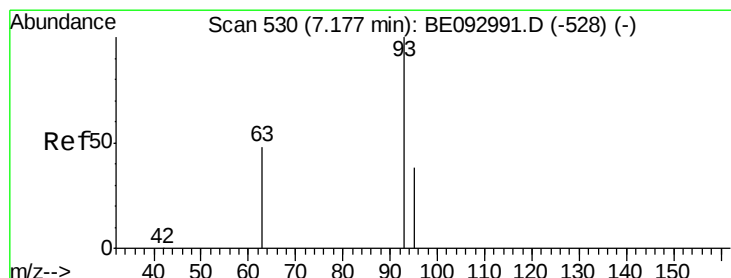
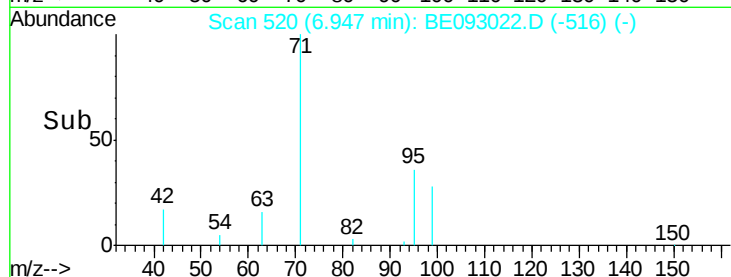
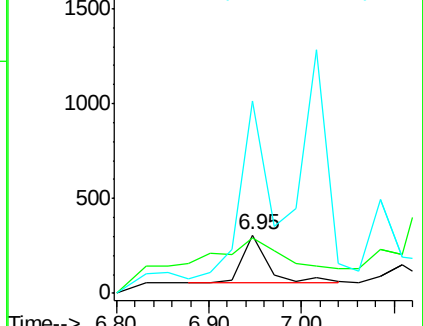
71 408.2 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 1.46 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

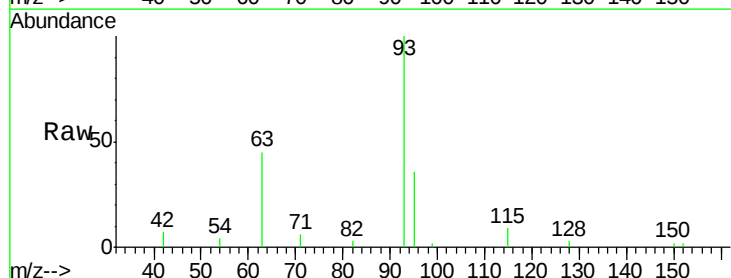
Tgt Ion: 93 Resp: 4872

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

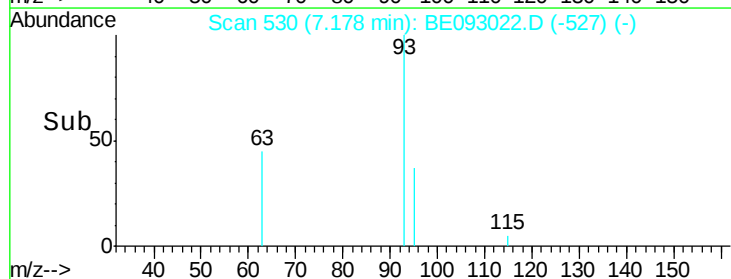
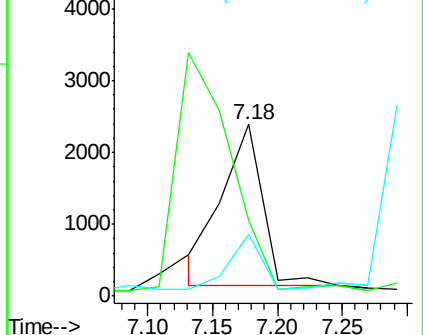
95 28.3 25.4 38.0

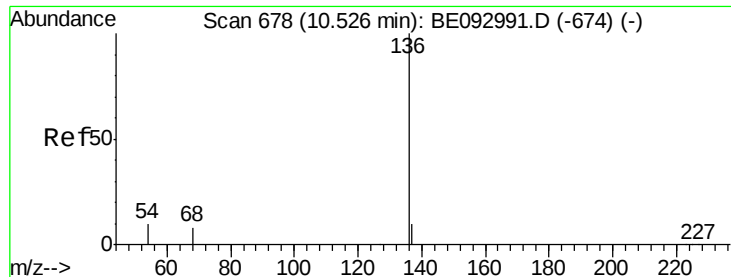


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 4155

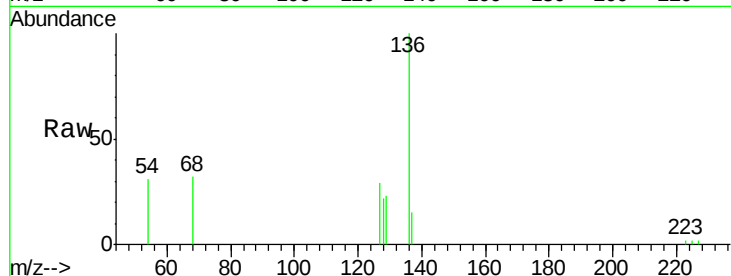
Ion Ratio Lower Upper

136 100

137 15.0 9.8 14.8#

54 30.6 10.3 15.5#

68 31.8 9.0 13.4#

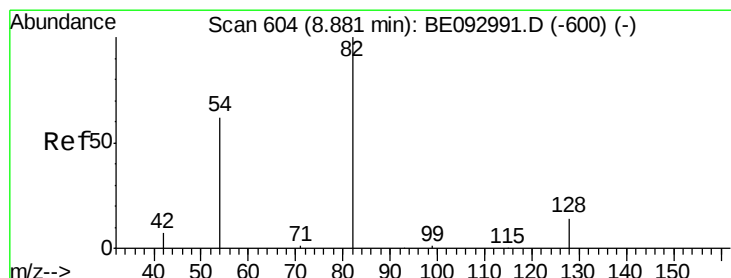
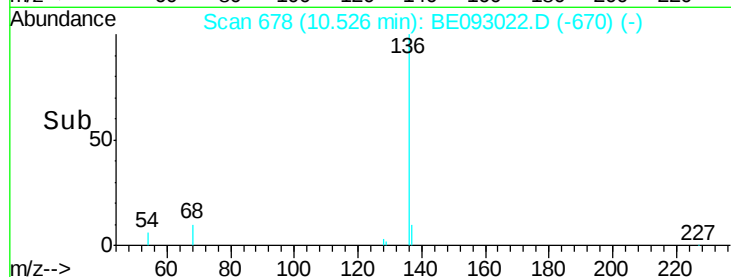
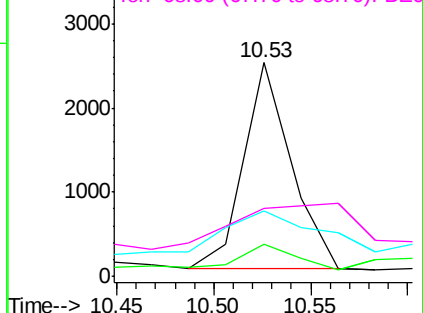


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.82 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

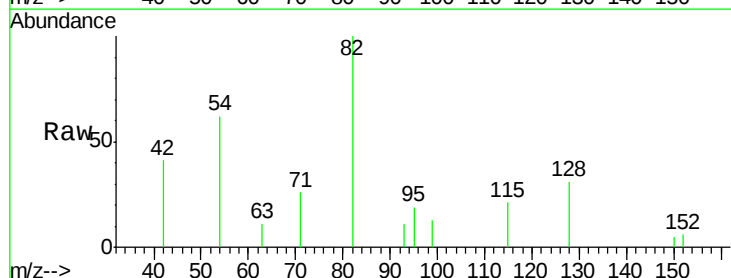
Tgt Ion: 82 Resp: 2670

Ion Ratio Lower Upper

82 100

128 31.3 17.0 25.4#

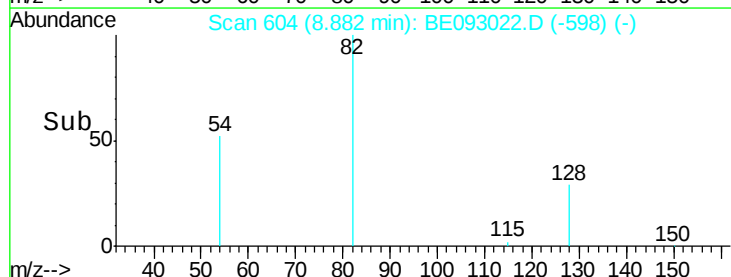
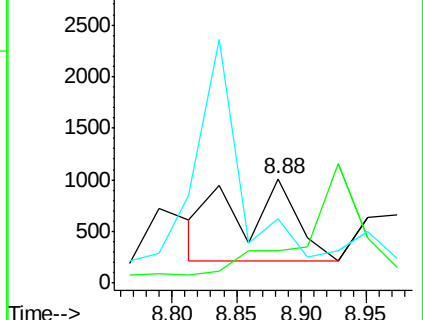
54 62.1 53.8 80.6

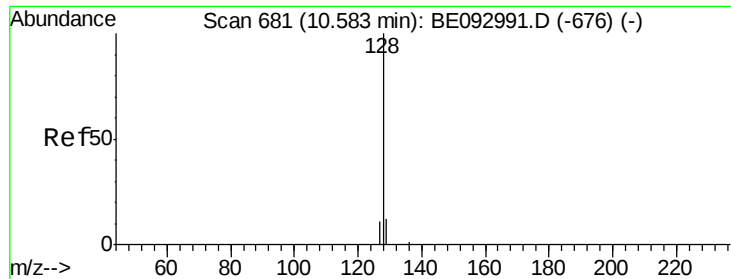


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.98 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093022.D

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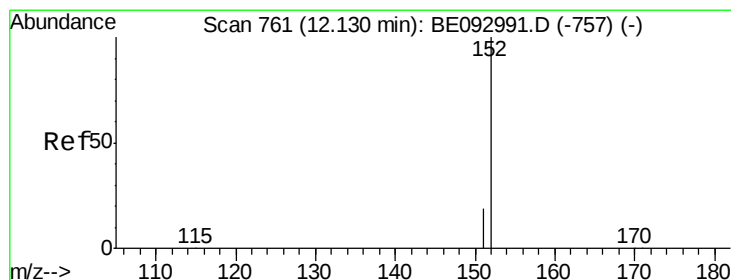
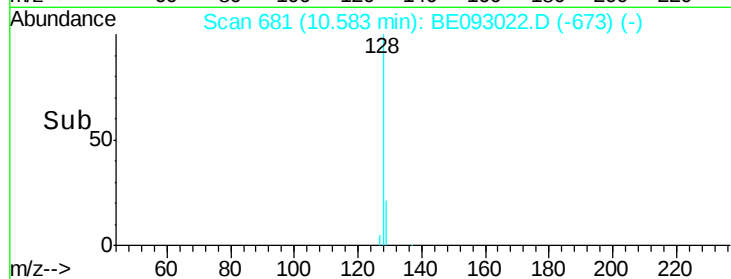
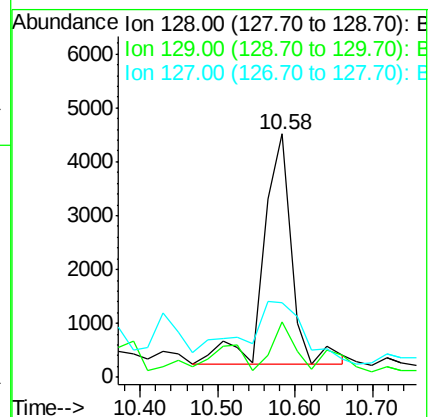
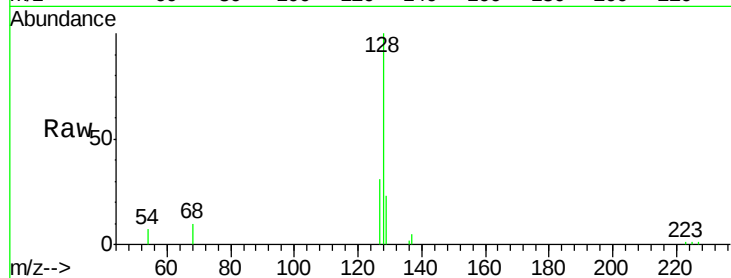
Tgt Ion:128 Resp: 10898

Ion Ratio Lower Upper

128 100

129 22.9 11.4 17.0#

127 30.6 11.2 16.8#



#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093022.D

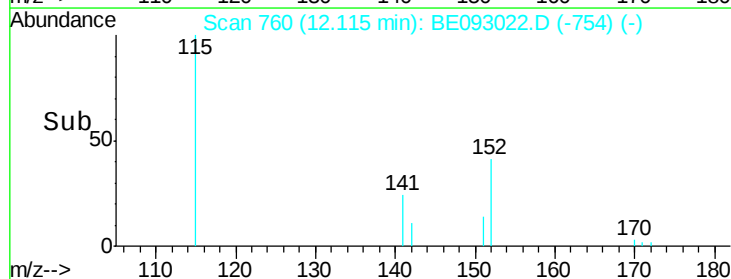
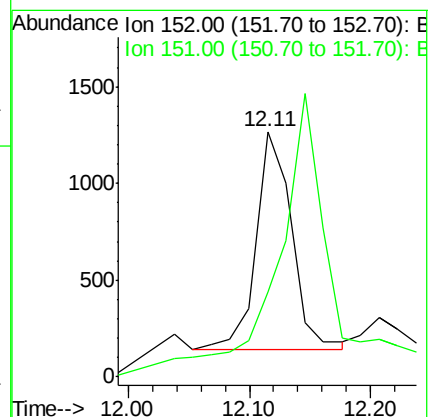
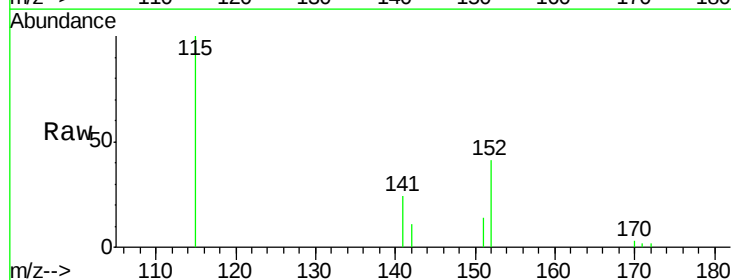
Acq: 12 May 2017 17:39

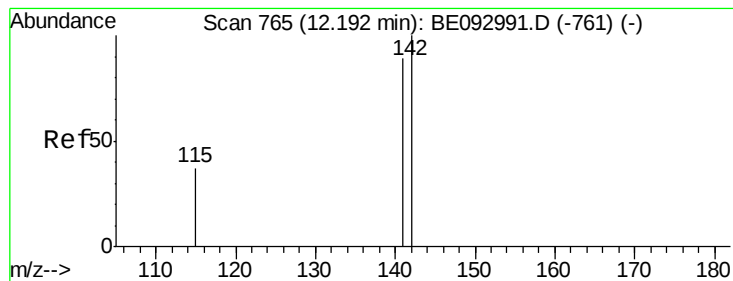
Tgt Ion:152 Resp: 2299

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#





#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

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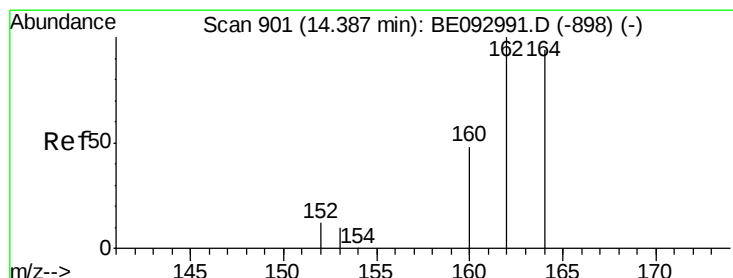
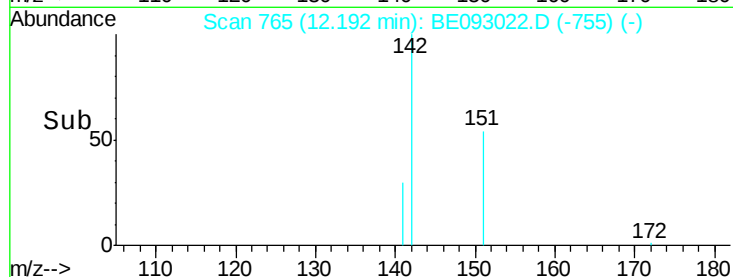
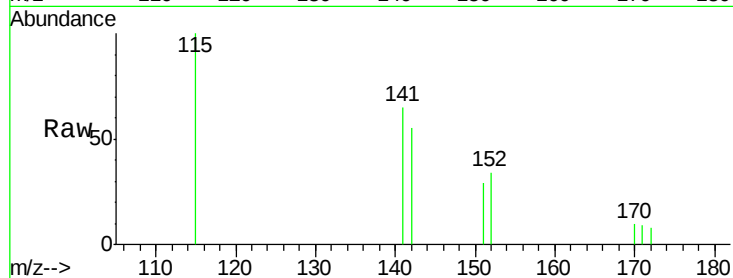
Tgt Ion:142 Resp: 597

Ion Ratio Lower Upper

142 100

141 118.3 72.6 108.8#

115 181.9 32.2 48.2#



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

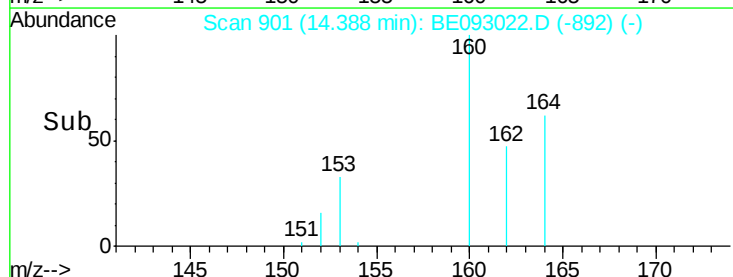
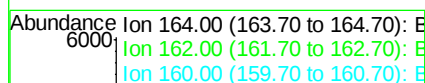
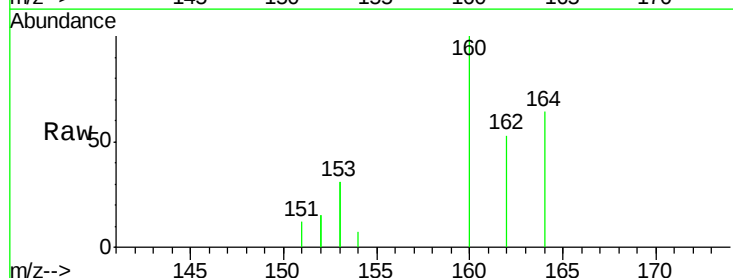
Tgt Ion:164 Resp: 3269

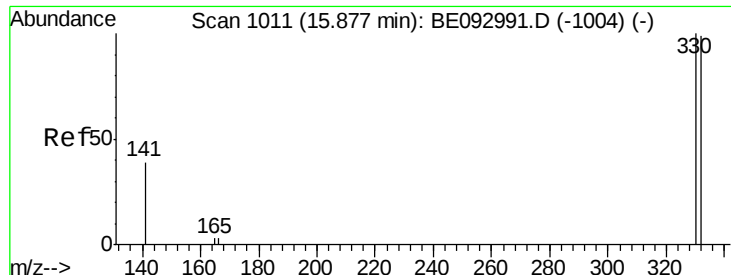
Ion Ratio Lower Upper

164 100

162 81.6 84.6 127.0#

160 155.1 41.8 62.6#

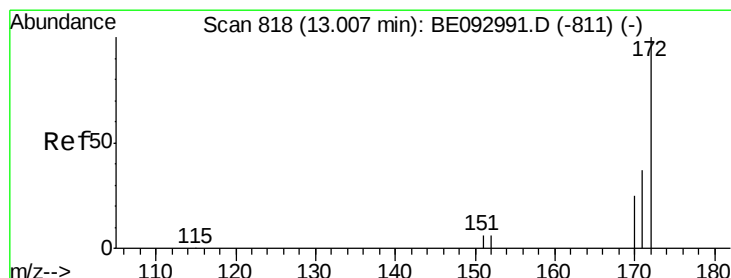
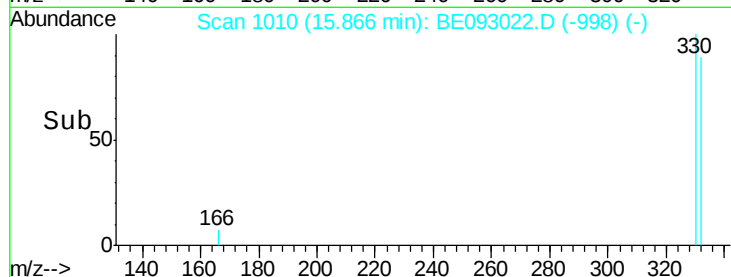
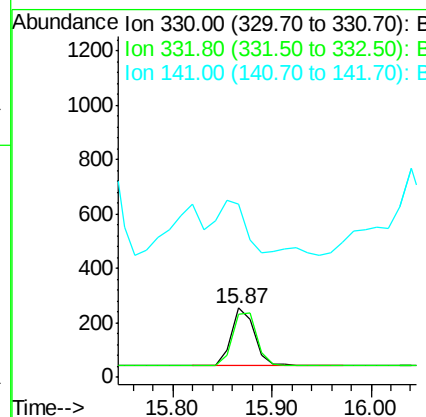
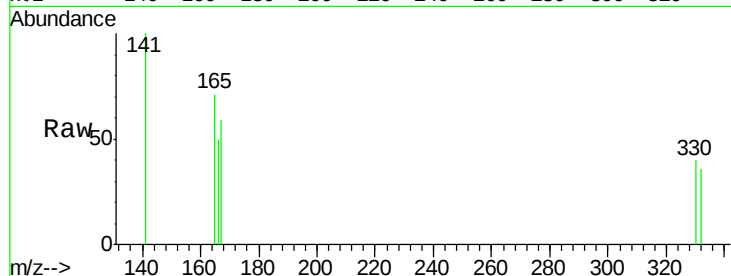




#14
 2,4,6-Tribromophenol
 Concen: 0.39 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093022.D
 Acq: 12 May 2017 17:39

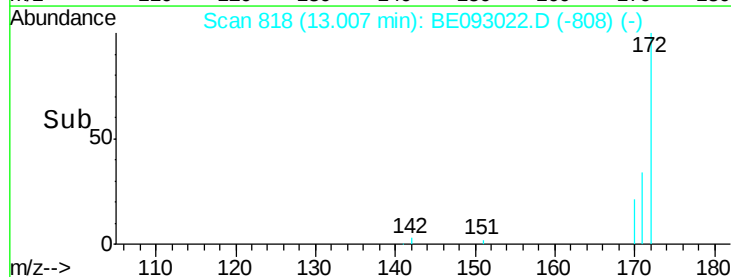
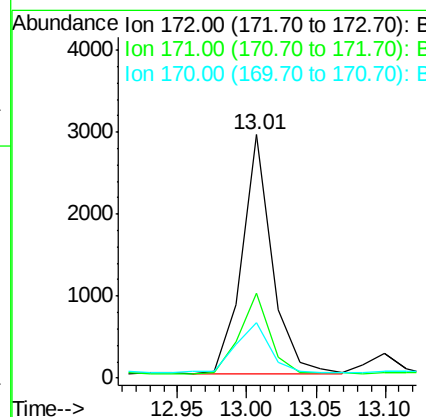
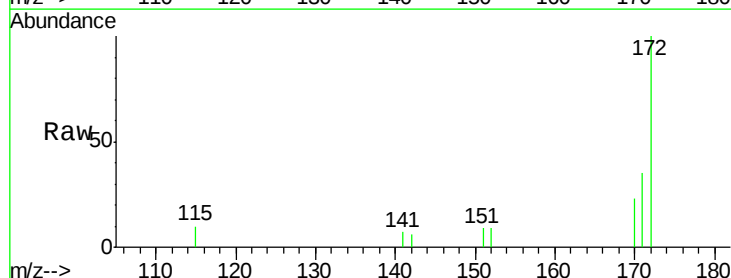
Instrument :
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 ClientSampleId :
 SS043MW009-170509

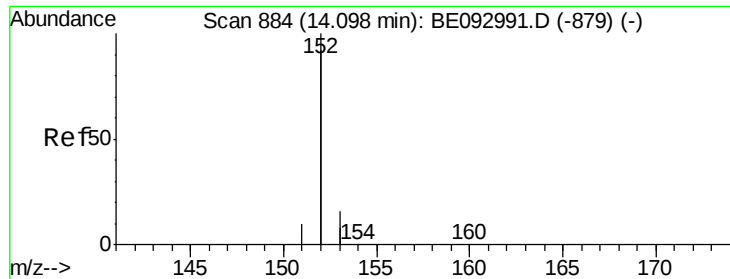
Tgt Ion: 330 Resp: 349
 Ion Ratio Lower Upper
 330 100
 332 0.0 77.7 116.5#
 141 120.9 56.2 84.4#



#15
 2-Fluorobiphenyl
 Concen: 0.34 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093022.D
 Acq: 12 May 2017 17:39

Tgt Ion: 172 Resp: 4373
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.8 44.6
 170 22.8 20.7 31.1





#16

Acenaphthylene

Concen: 0.07 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

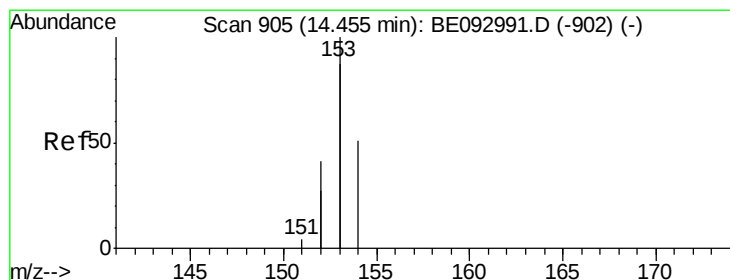
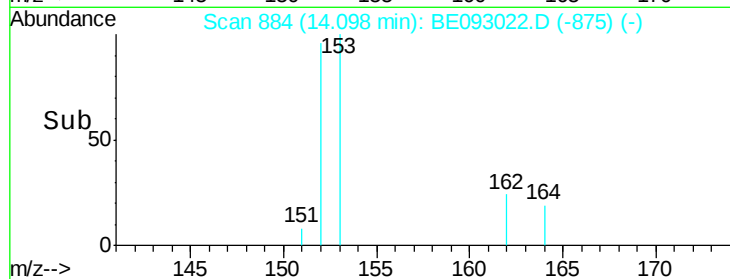
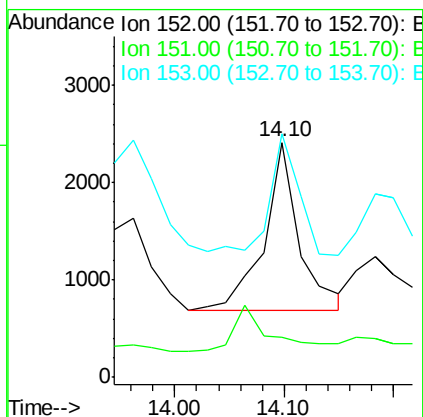
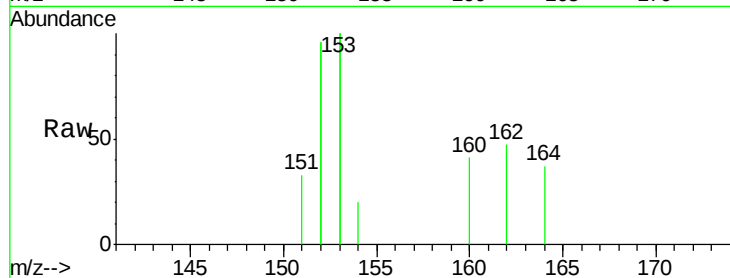
Tgt Ion:152 Resp: 3898

Ion Ratio Lower Upper

152 100

151 0.0 4.0 6.0#

153 60.1 10.3 15.5#



#17

Acenaphthene

Concen: 0.06 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

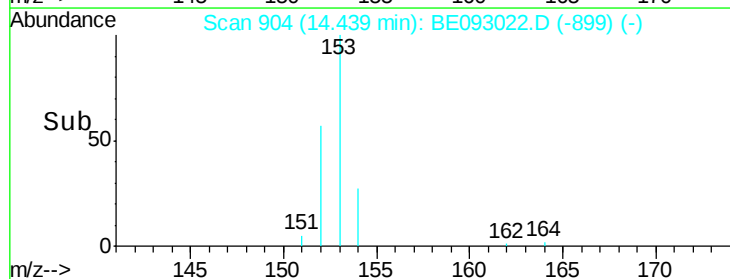
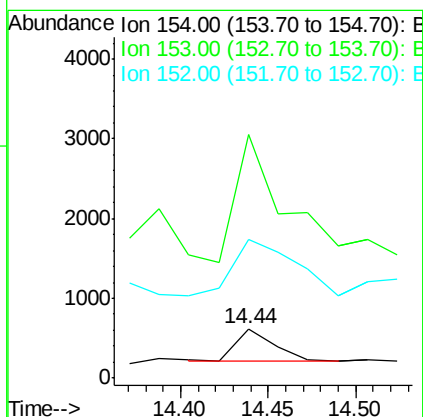
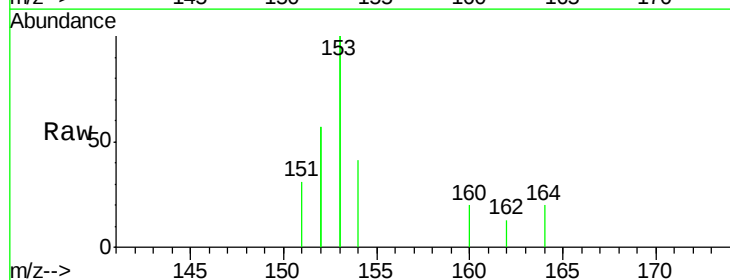
Tgt Ion:154 Resp: 586

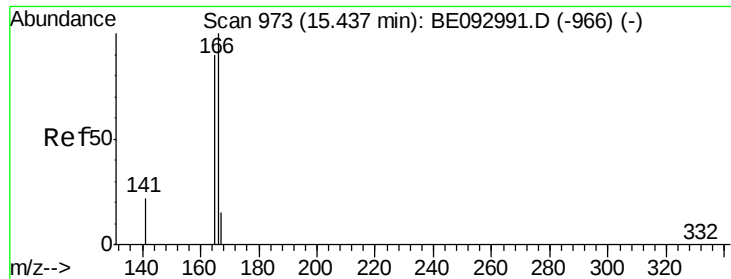
Ion Ratio Lower Upper

154 100

153 529.9 367.8 551.6

152 297.1 188.2 282.2#





#18

Fluorene

Concen: 0.17 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

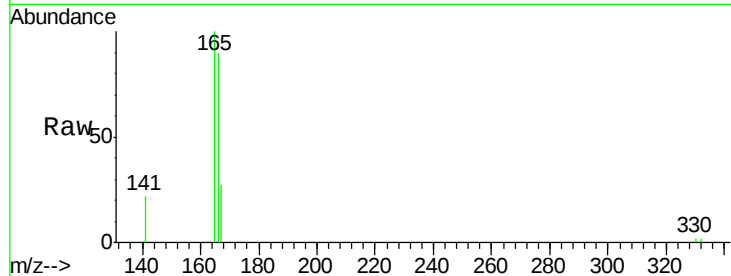
Tgt Ion:166 Resp: 2151

Ion Ratio Lower Upper

166 100

165 102.0 78.6 117.8

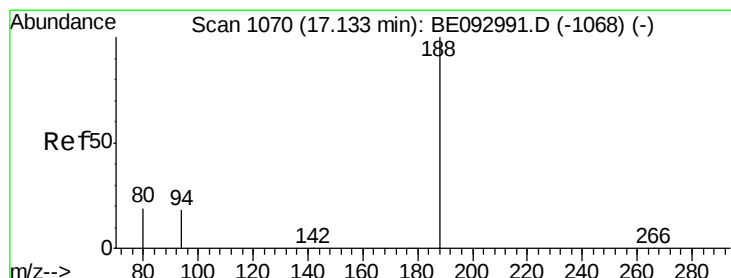
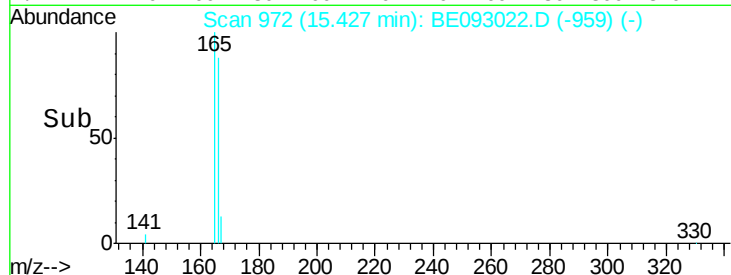
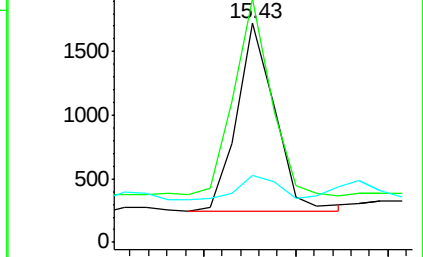
167 12.2 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

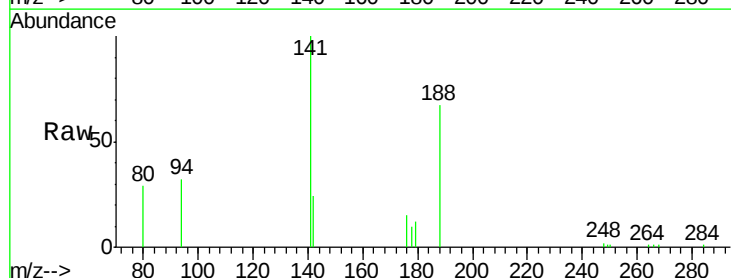
Tgt Ion:188 Resp: 5296

Ion Ratio Lower Upper

188 100

94 46.9 11.3 16.9#

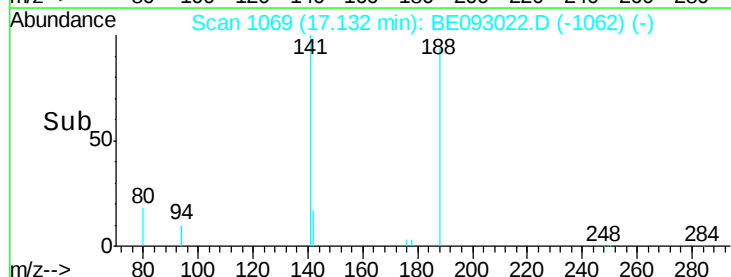
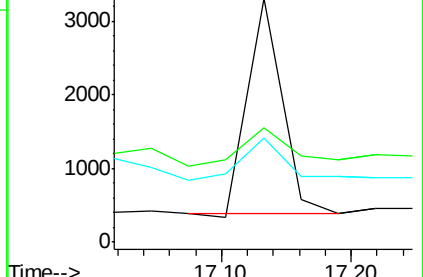
80 42.9 11.7 17.5#

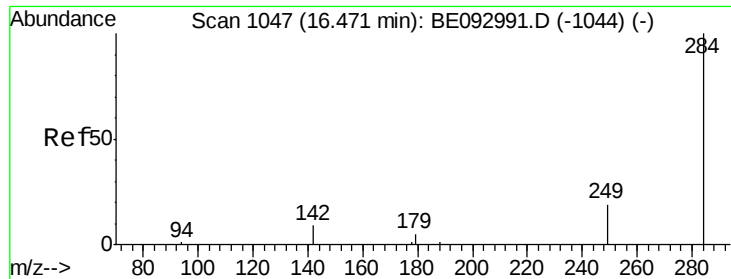


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.47 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

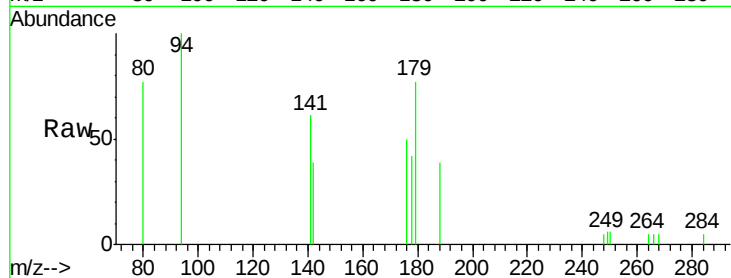
Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

Tgt Ion:	284	Resp:	7
Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

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Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

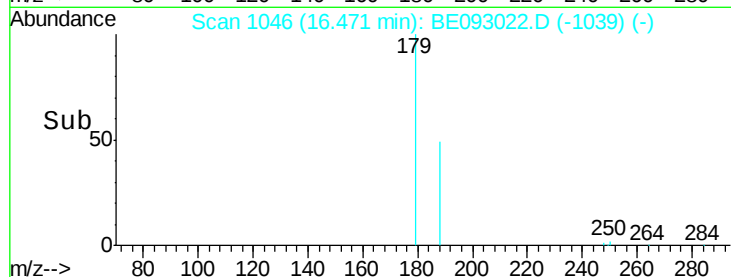
Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

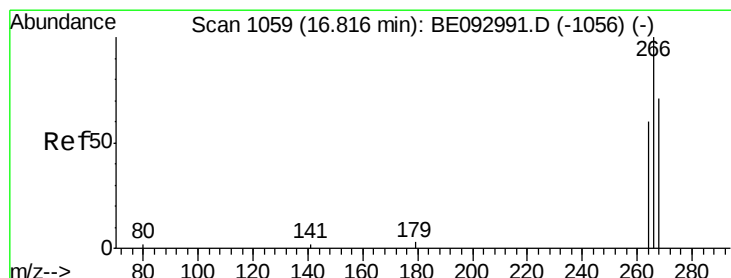
Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E

Ion 284.00 (283.70 to 284.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.11 ng

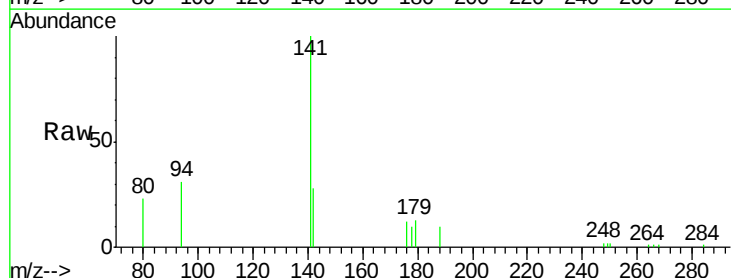
RT: 16.82 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Tgt Ion:	266	Resp:	19
Ion	Ratio	Lower	Upper
266	100		
264	94.4	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

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

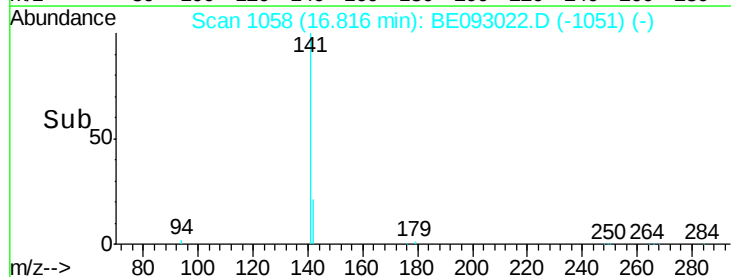
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

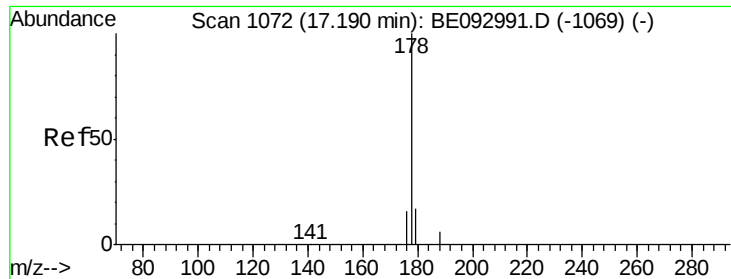
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time-->



#23

Phenanthrene

Concen: 0.04 ng

RT: 17.16 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

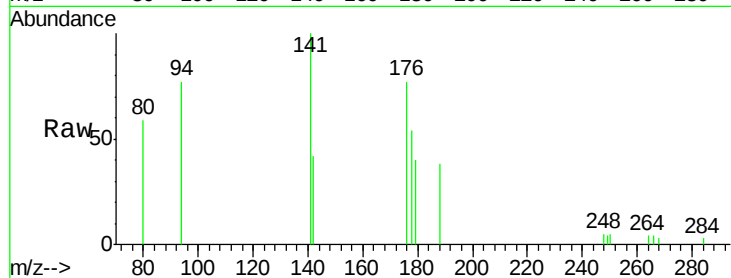
Tgt Ion:178 Resp: 1302

Ion Ratio Lower Upper

178 100

176 140.6 15.0 22.4#

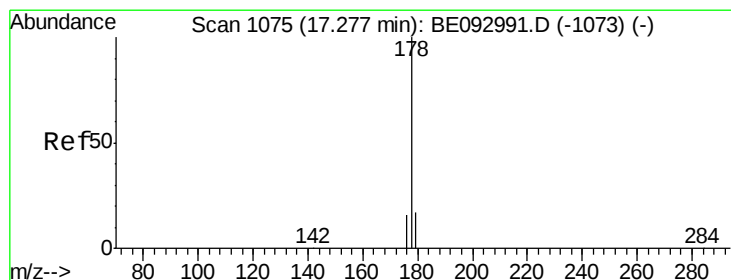
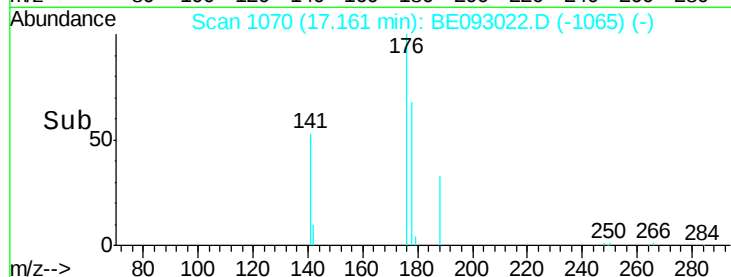
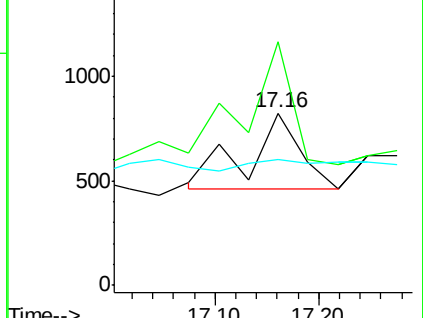
179 17.1 12.7 19.1



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



#24

Anthracene

Concen: 0.06 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

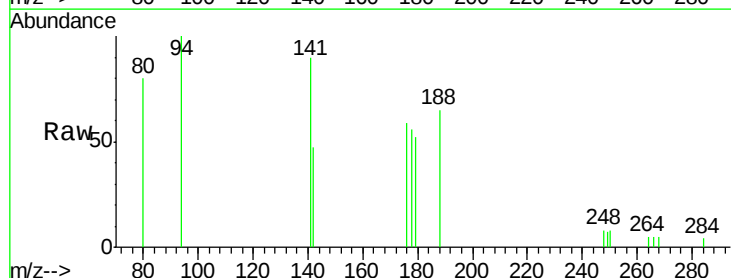
Tgt Ion:178 Resp: 618

Ion Ratio Lower Upper

178 100

176 51.9 14.6 22.0#

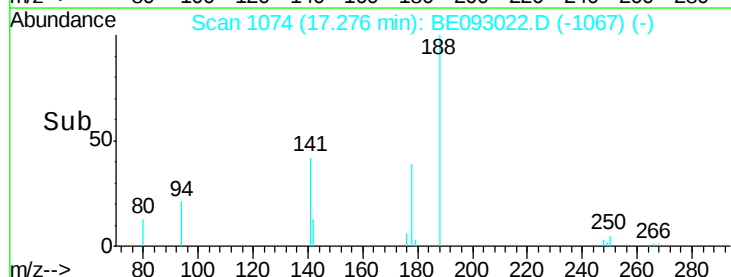
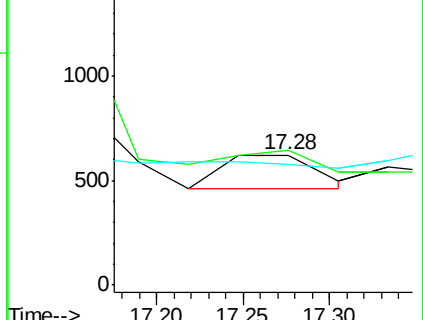
179 0.0 12.0 18.0#

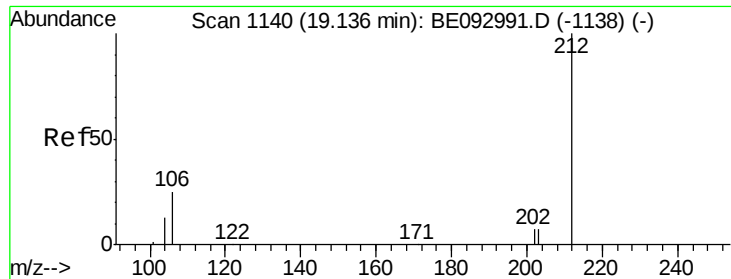


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.33 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

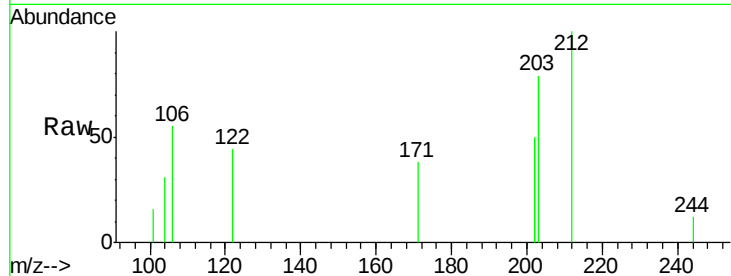
Tgt Ion: 212 Resp: 4571

Ion Ratio Lower Upper

212 100

106 20.0 0.0 0.0#

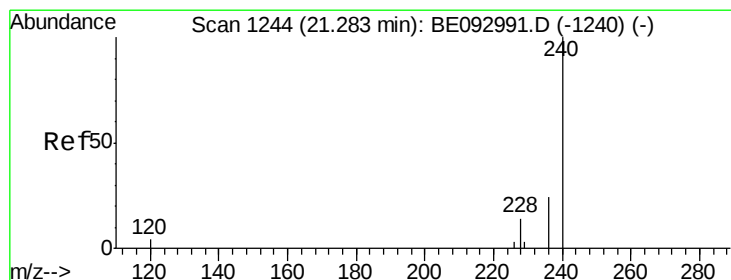
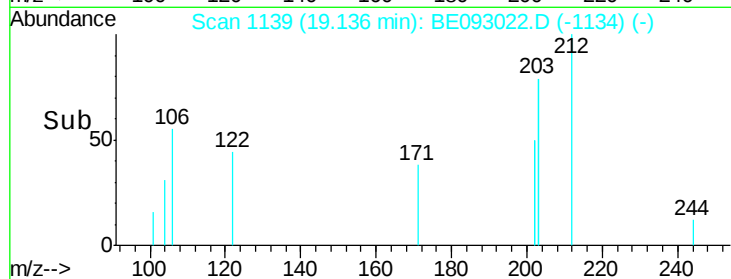
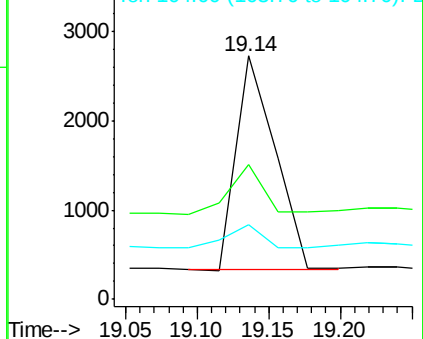
104 10.2 0.0 0.0#



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



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

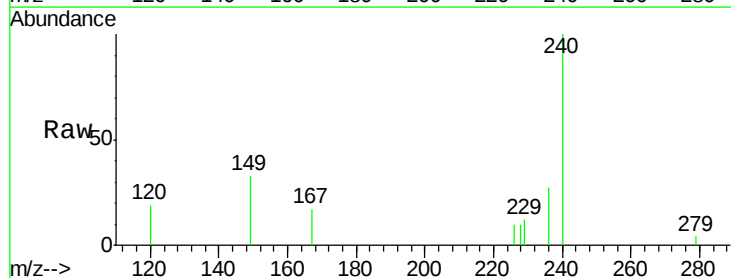
Tgt Ion: 240 Resp: 6572

Ion Ratio Lower Upper

240 100

120 19.3 4.6 7.0#

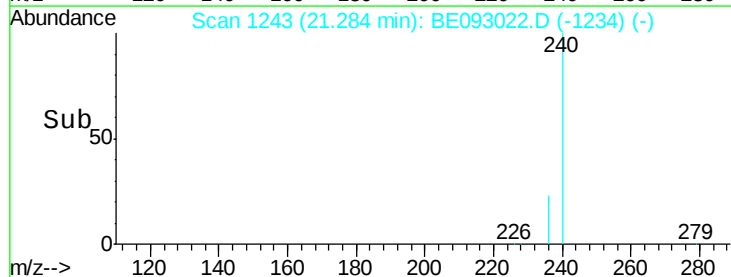
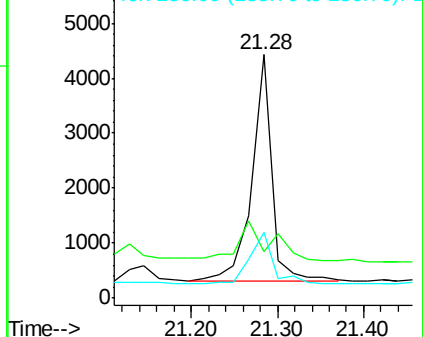
236 27.2 20.8 31.2

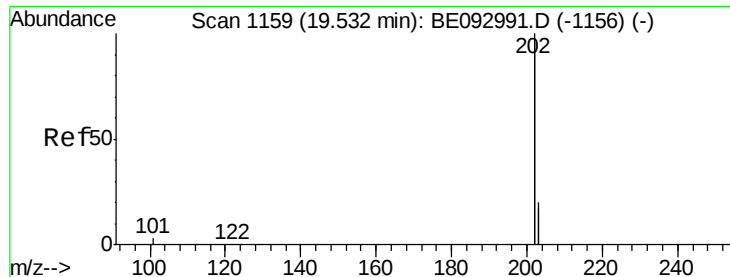


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.03 ng

RT: 19.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

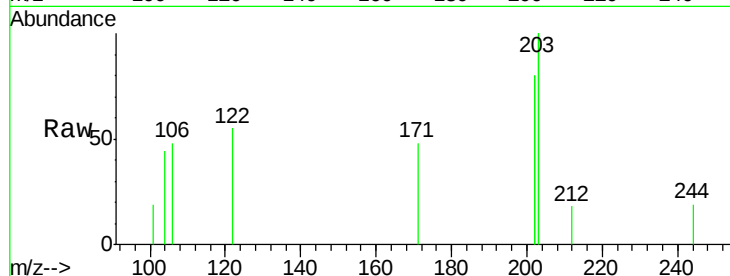
Tgt Ion: 202 Resp: 2338

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

203 0.0 13.7 20.5#



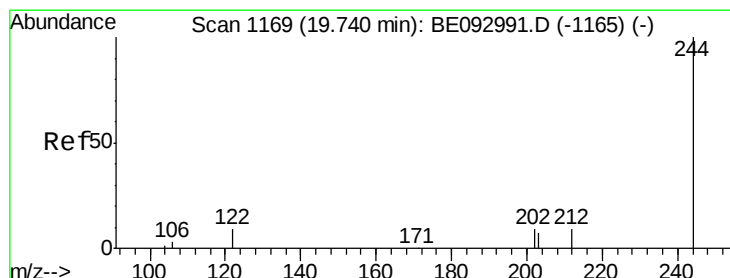
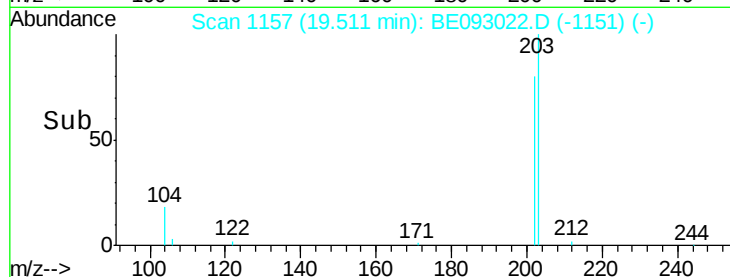
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.51

Time-->



#29

Terphenyl-d14

Concen: 0.62 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

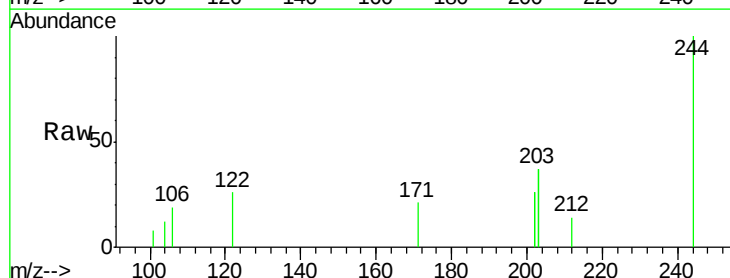
Tgt Ion: 244 Resp: 7236

Ion Ratio Lower Upper

244 100

212 14.3 10.6 16.0

122 25.5 15.4 23.0#



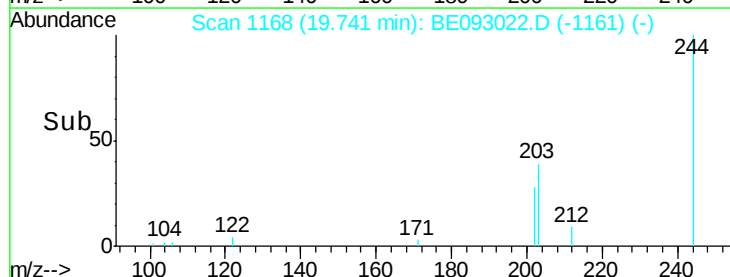
Abundance Ion 244.00 (243.70 to 244.70): E

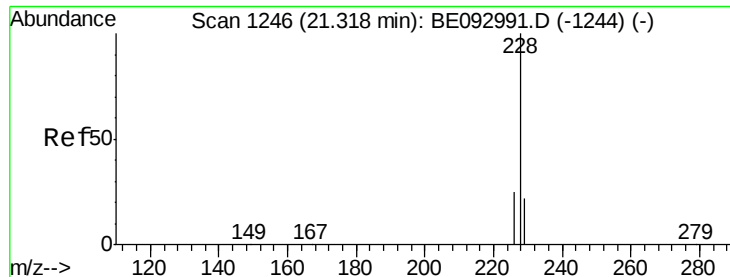
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.74

Time-->





#31

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

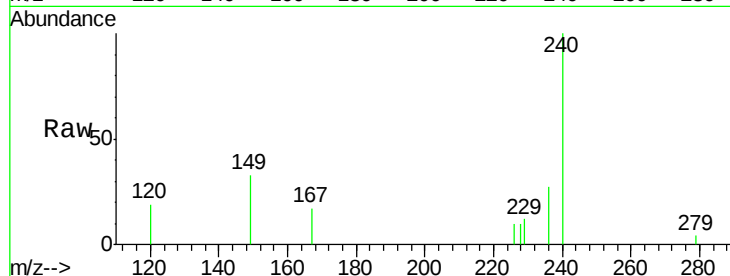
Tgt Ion:228 Resp: 527

Ion Ratio Lower Upper

228 100

226 103.8 21.5 32.3#

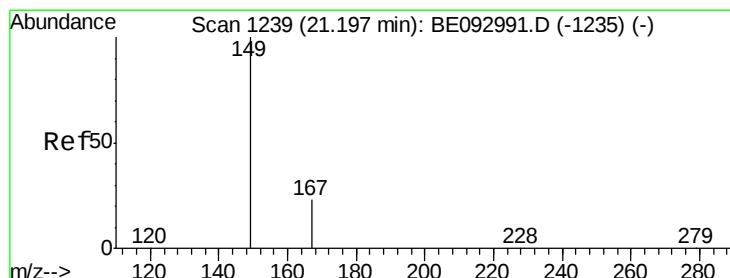
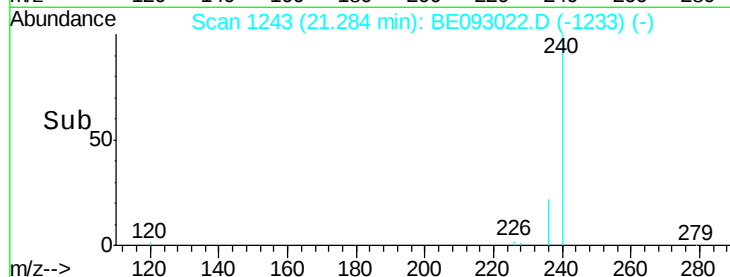
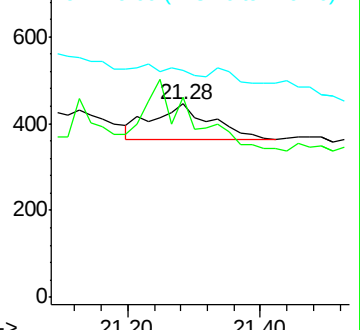
229 117.8 18.6 28.0#



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: 0.66 ng

RT: 21.20 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

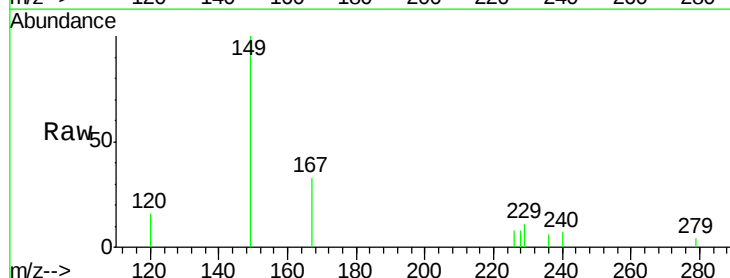
Tgt Ion:149 Resp: 4536

Ion Ratio Lower Upper

149 100

167 22.9 20.1 30.1

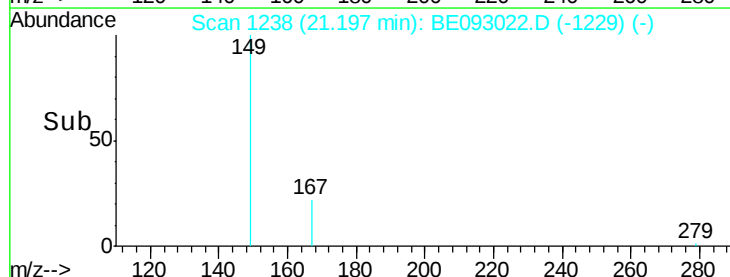
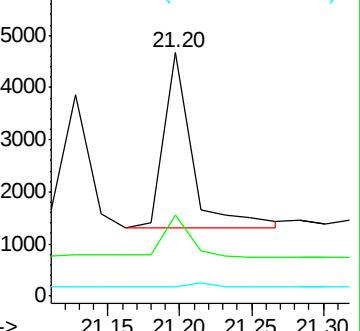
279 2.7 2.2 3.4

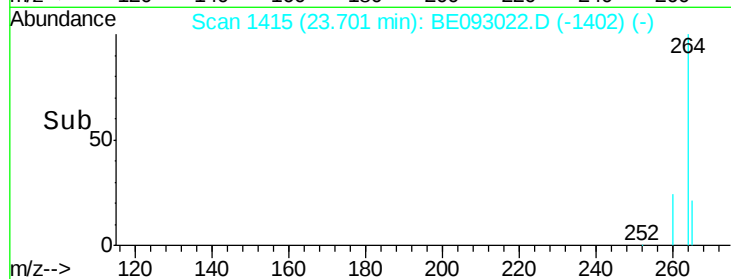
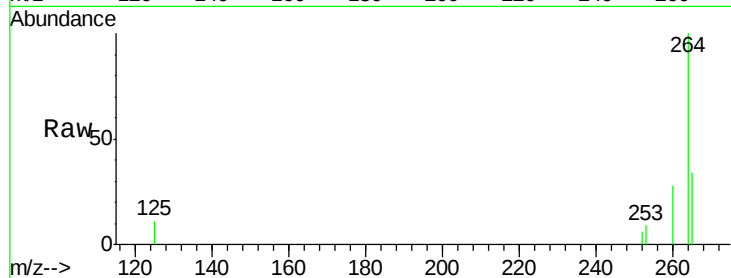
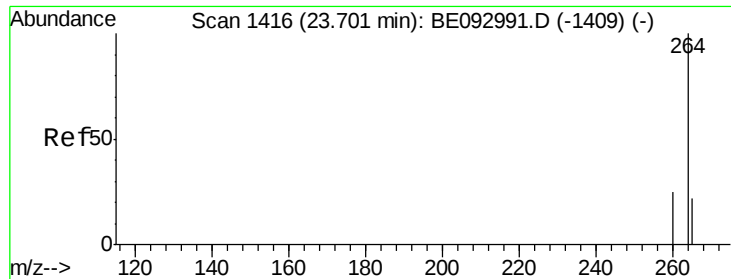


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE093022.D

Acq: 12 May 2017 17:39

Instrument :

BNA_E

ClientSampleId :

SS043MW009-170509

Tgt Ion: 264 Resp: 4970

Ion Ratio Lower Upper

264 100

260 27.6 21.0 31.4

265 33.6 24.6 36.8

