

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
 Data File : BE093050.D
 Acq On : 16 May 2017 12:48
 Operator : SJ/MA
 Sample : I3079-09RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 18 00:54:07 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1143	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	4726	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	5262	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	6916	0.40	ng	0.00
27) Chrysene-d12	21.28	240	7357	0.40	ng	0.00
34) Perylene-d12	23.69	264	5736	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	506	0.14	ng	-0.02
5) Phenol-d6	6.95	99	540	0.11	ng	0.02
8) Nitrobenzene-d5	8.88	82	4989	1.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2692	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	426	0.27	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	5133	0.24	ng	0.00
25) Fluoranthene-d10	19.14	212	5791	0.32	ng	0.00
29) Terphenyl-d14	19.74	244	8299	0.60	ng	0.00

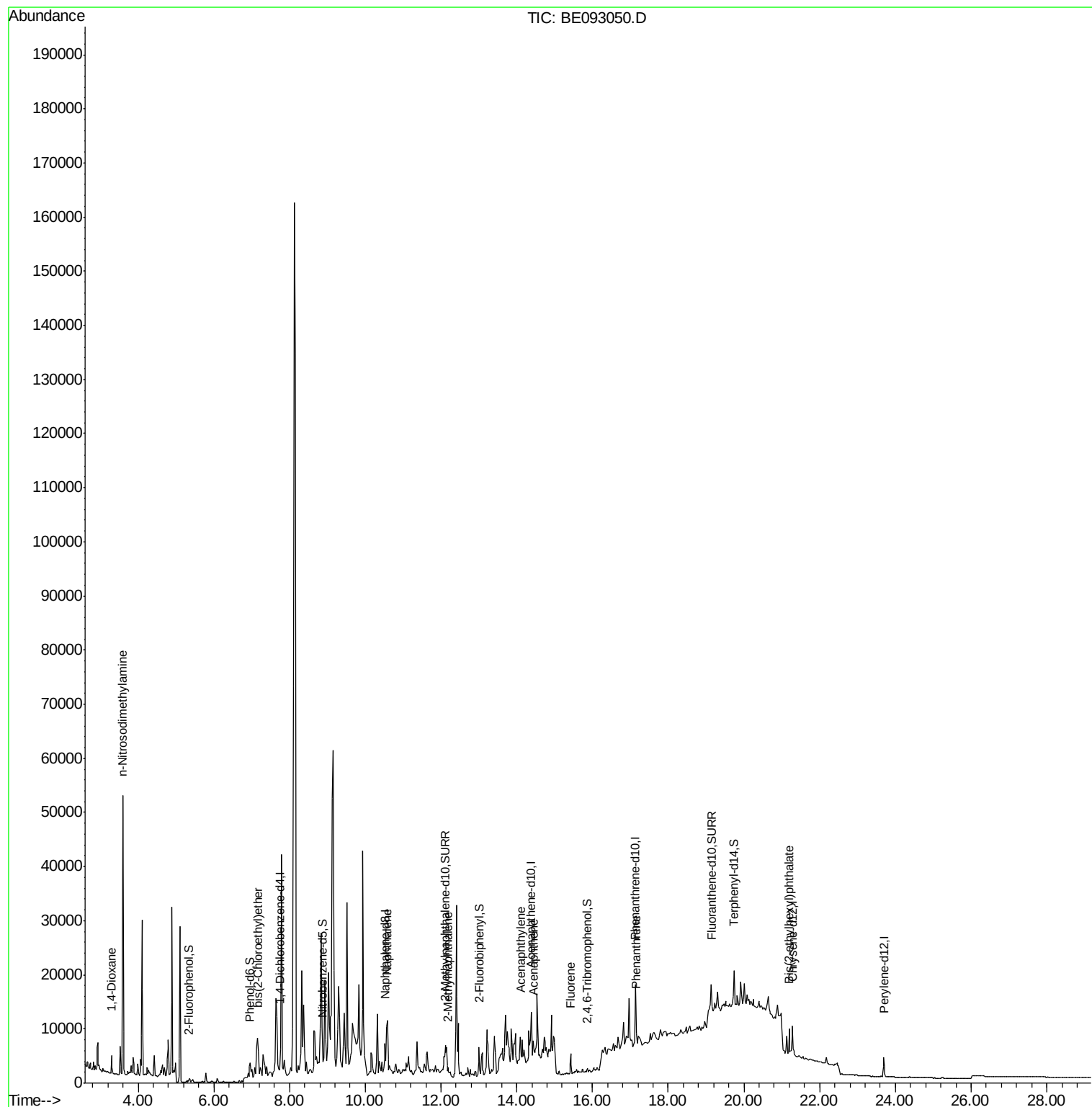
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	1379	0.63	ng	# 39
3) n-Nitrosodimethylamine	3.59	42	3773	1.82	ng	# 1
6) bis(2-Chloroethyl)ether	7.18	93	5299	1.38	ng	# 97
9) Naphthalene	10.58	128	17081	1.37	ng	# 79
12) 2-Methylnaphthalene	12.19	142	1191	0.15	ng	# 47
16) Acenaphthylene	14.10	152	4668	0.05	ng	# 22
17) Acenaphthene	14.44	154	1064	0.06	ng	# 67
18) Fluorene	15.43	166	2501	0.12	ng	# 95
21) Hexachlorobenzene	16.47	284	9	Below Cal		# 100
23) Phenanthrene	17.16	178	1573	0.05	ng	# 1
24) Anthracene	17.25	178	732	Below Cal		# 61
32) Bis(2-ethylhexyl)phthalate	21.20	149	5045	0.49	ng	# 99

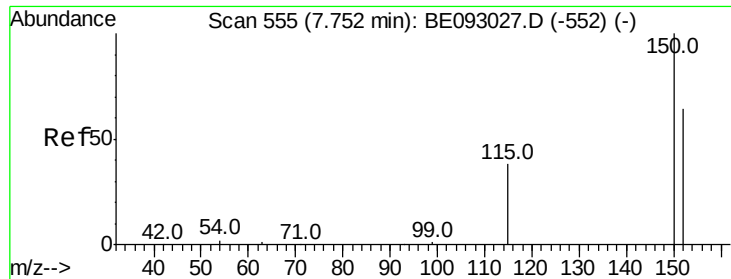
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

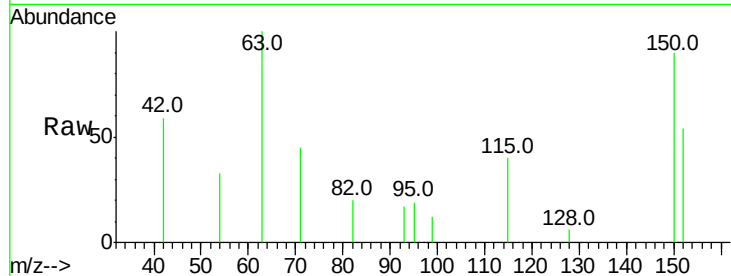
Tot Ion:152 Resp: 1143

Ion Ratio Lower Upper

152 100

150 167.0 125.1 187.7

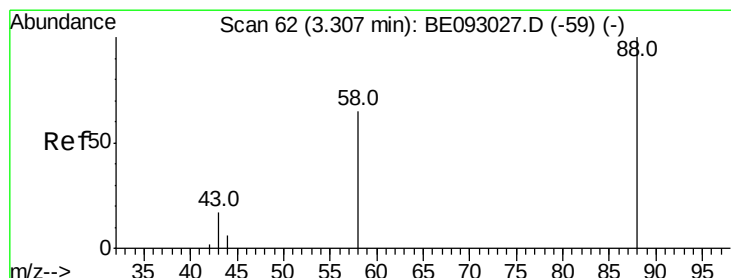
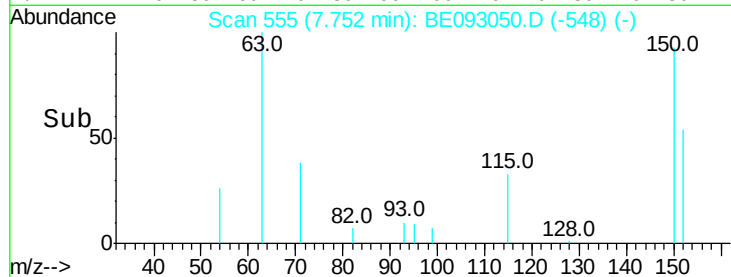
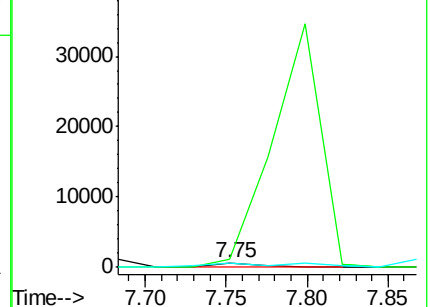
115 74.5 55.7 83.5



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: 0.63 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

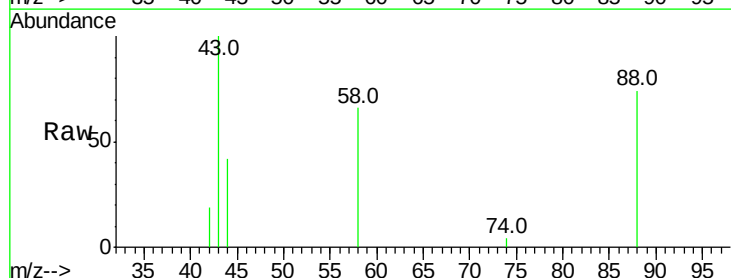
Tgt Ion: 88 Resp: 1379

Ion Ratio Lower Upper

88 100

58 88.9 62.2 93.4

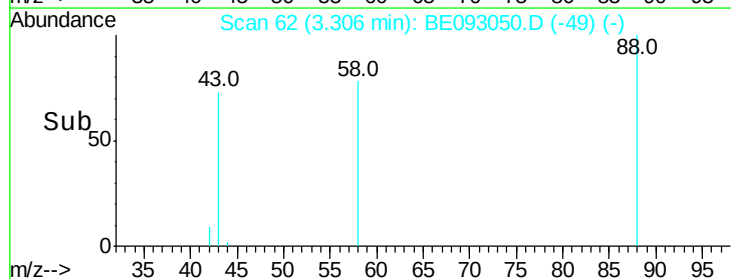
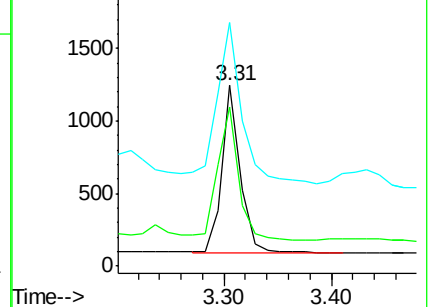
43 130.9 23.2 34.8#

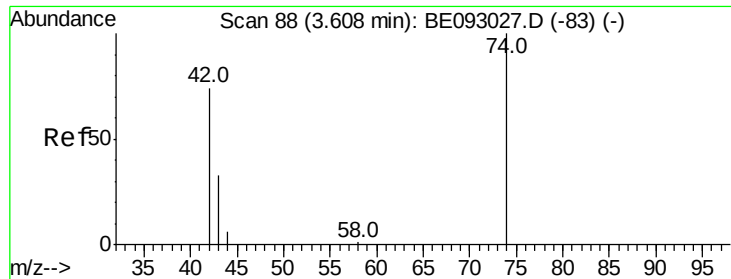


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.82 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

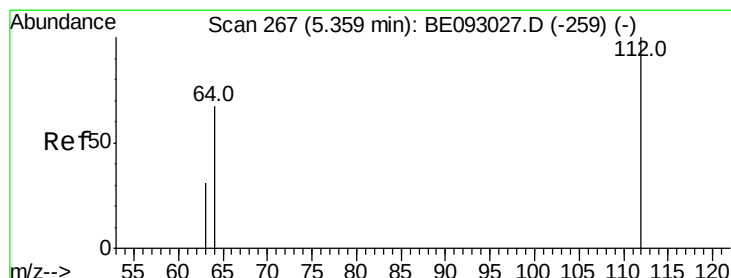
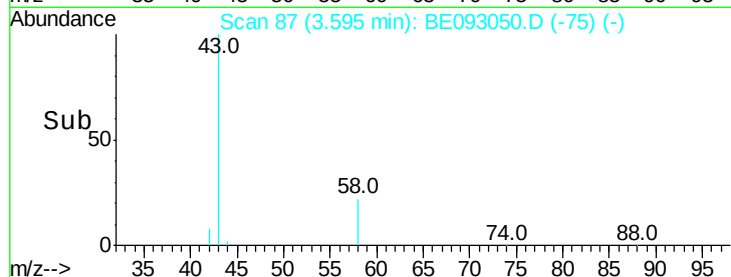
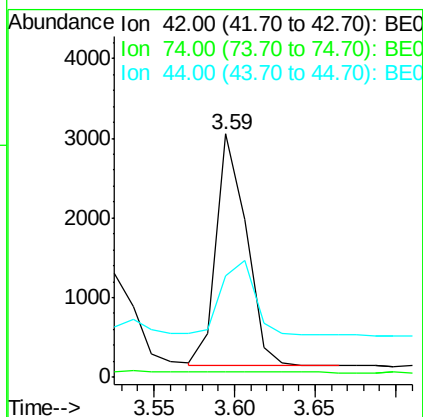
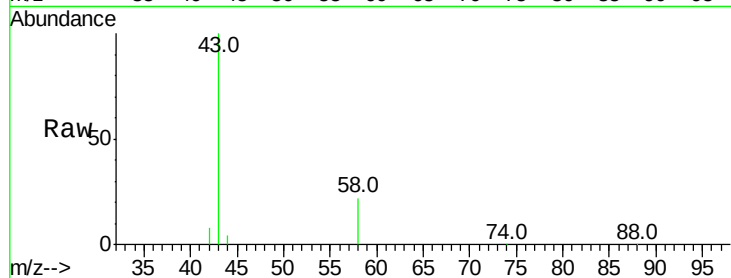
Tot Ion: 42 Resp: 3773

Ion Ratio Lower Upper

42 100

74 0.7 99.1 148.7#

44 36.8 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.14 ng

RT: 5.34 min Scan# 263

Delta R.T. -0.02 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

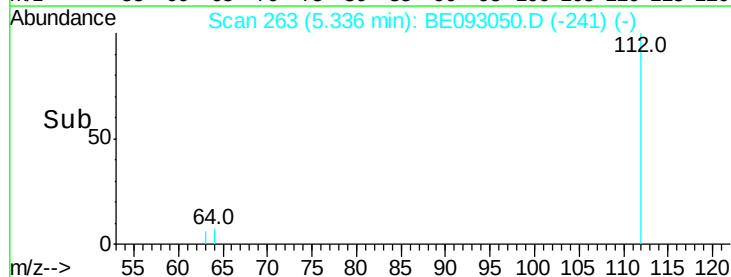
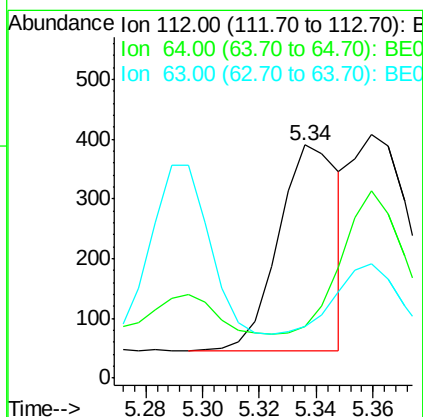
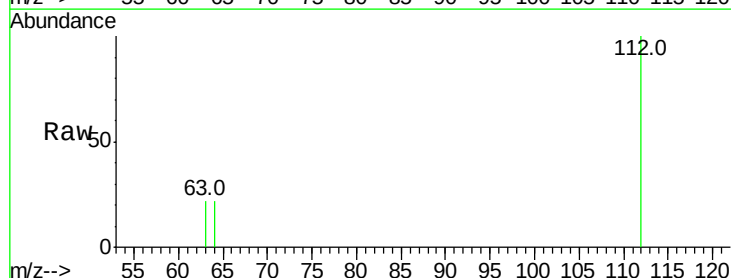
Tgt Ion: 112 Resp: 506

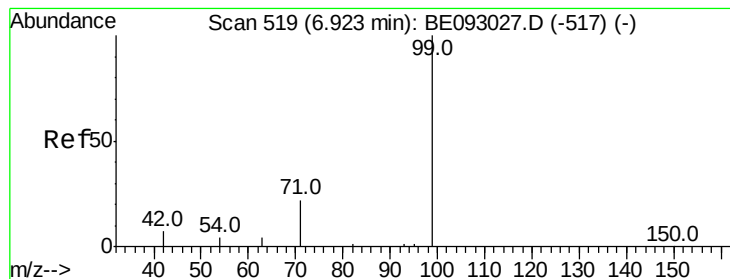
Ion Ratio Lower Upper

112 100

64 0.0 56.4 84.6#

63 0.0 29.3 43.9#





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.95 min Scan# 520

Delta R.T. 0.02 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

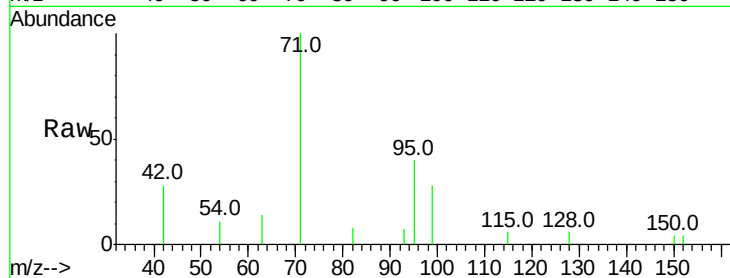
Tot Ion: 99 Resp: 540

Ion Ratio Lower Upper

99 100

42 120.0 0.0 0.0#

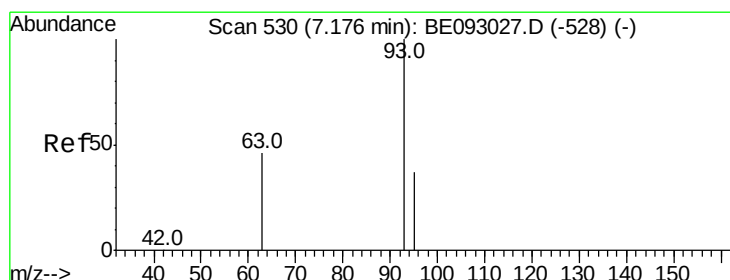
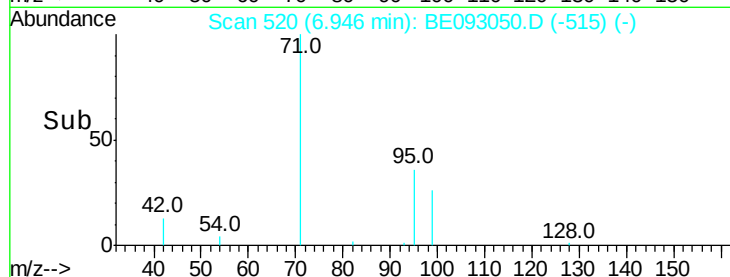
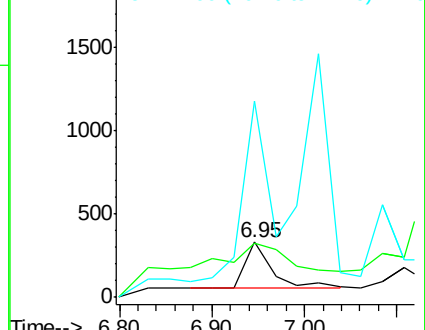
71 391.7 0.0 0.0#



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: 1.38 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

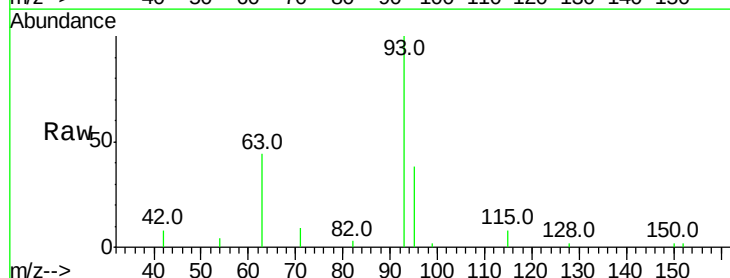
Tgt Ion: 93 Resp: 5299

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

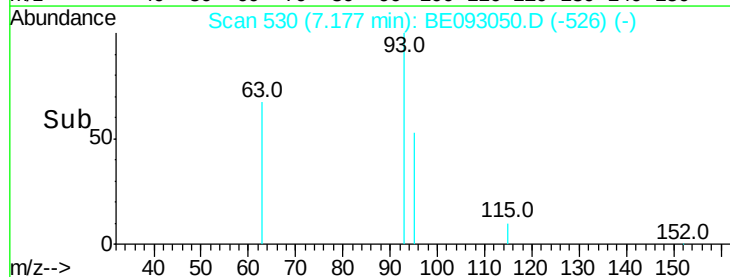
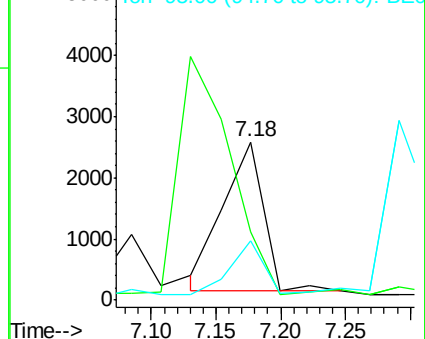
95 30.3 25.4 38.0

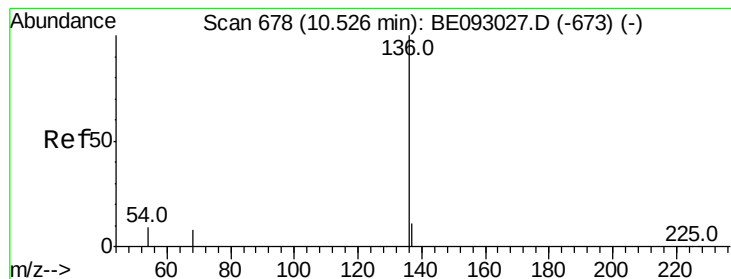


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4726

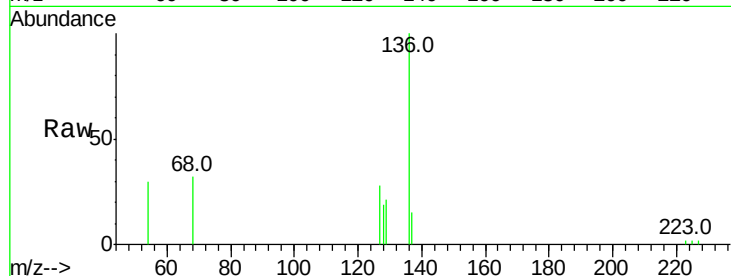
Ion Ratio Lower Upper

136 100

137 14.9 9.8 14.8#

54 29.6 10.3 15.5#

68 31.7 9.0 13.4#

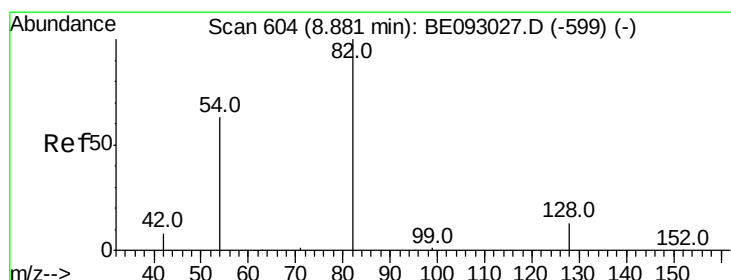
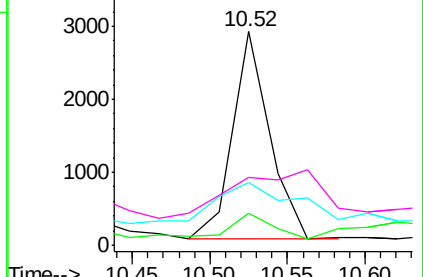
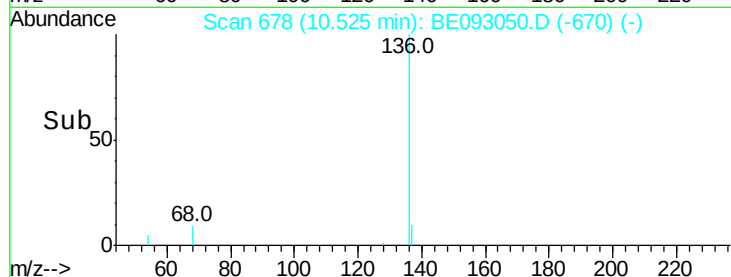


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.21 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

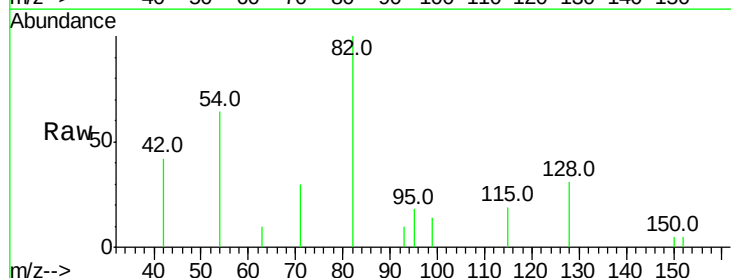
Tgt Ion: 82 Resp: 4989

Ion Ratio Lower Upper

82 100

128 31.0 17.0 25.4#

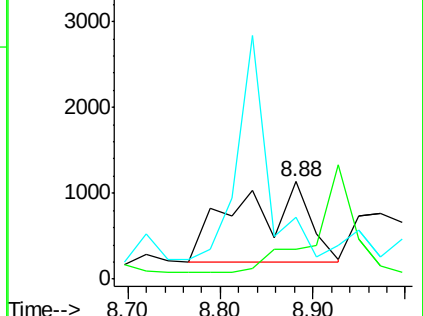
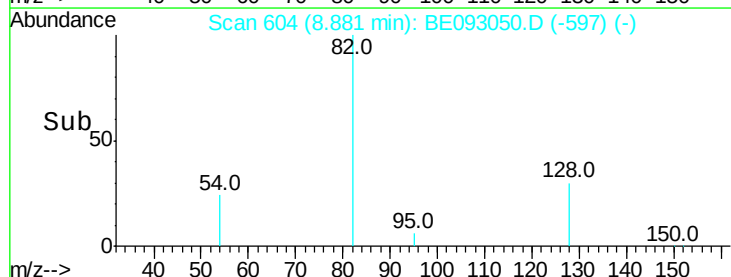
54 63.7 53.8 80.6

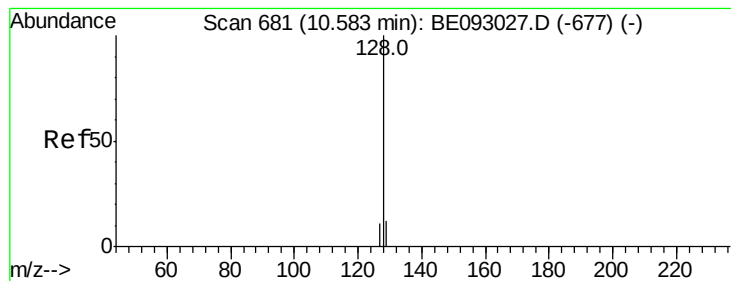


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.37 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

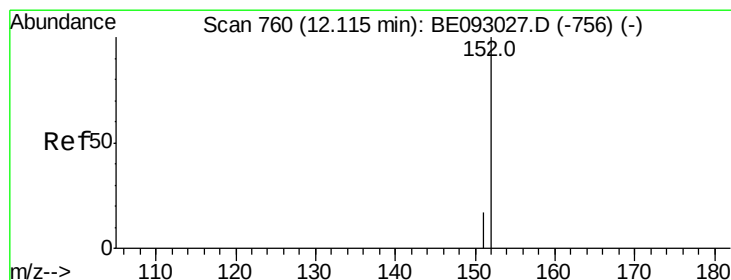
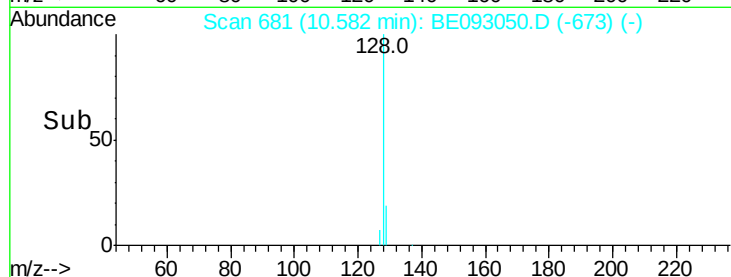
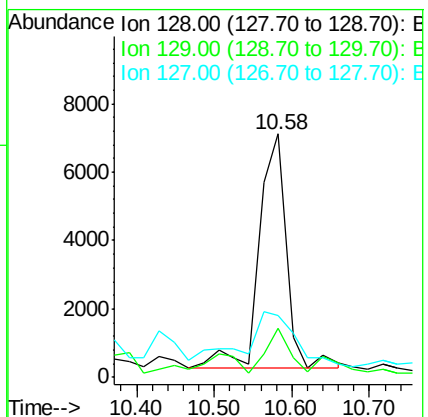
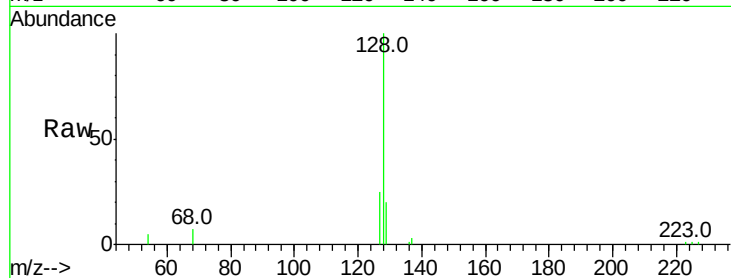
Tot Ion:128 Resp: 17081

Ion Ratio Lower Upper

128 100

129 20.3 11.4 17.0#

127 25.2 11.2 16.8#



#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093050.D

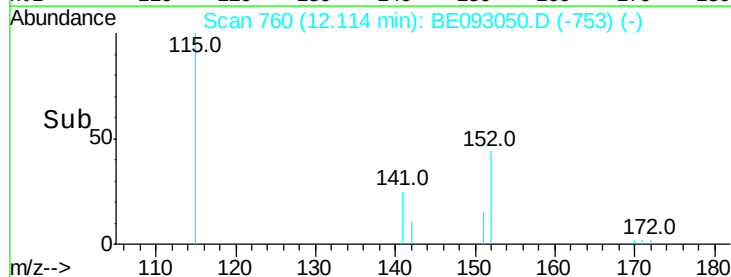
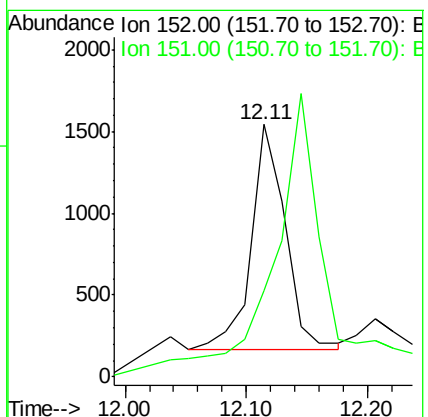
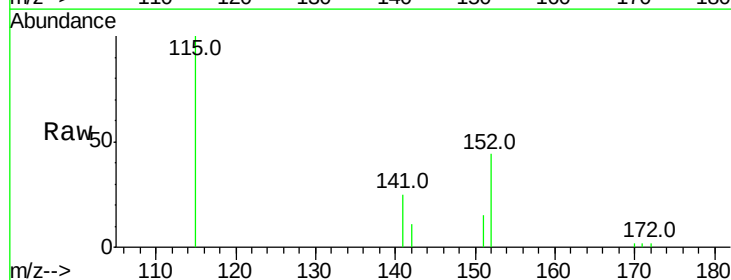
Acq: 16 May 2017 12:48

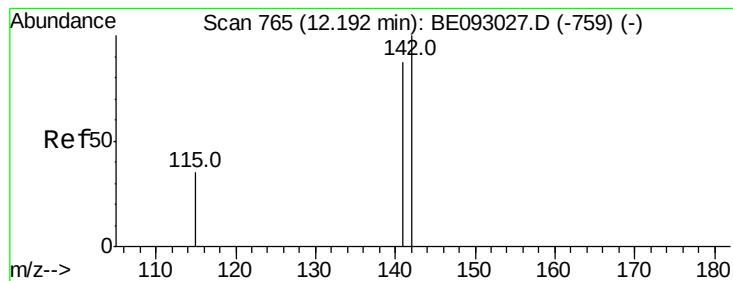
Tgt Ion:152 Resp: 2692

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#





#12

2-Methylnaphthalene

Concen: 0.15 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampled :

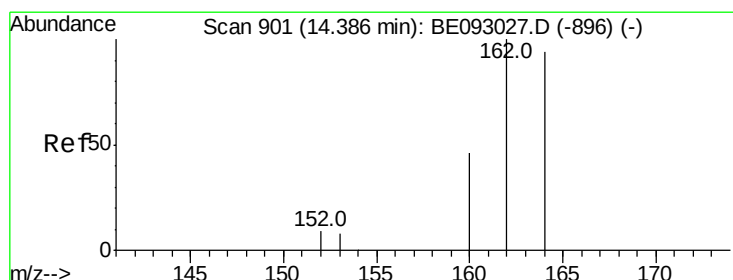
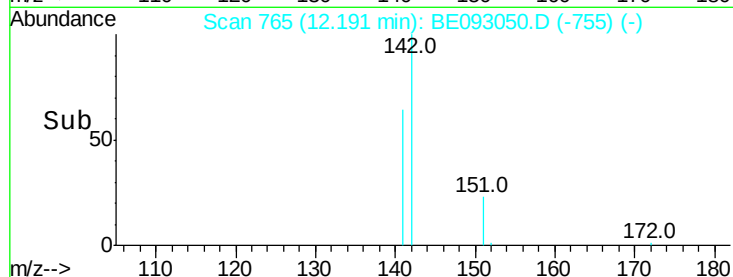
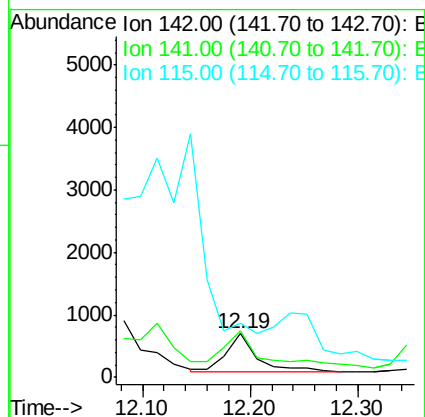
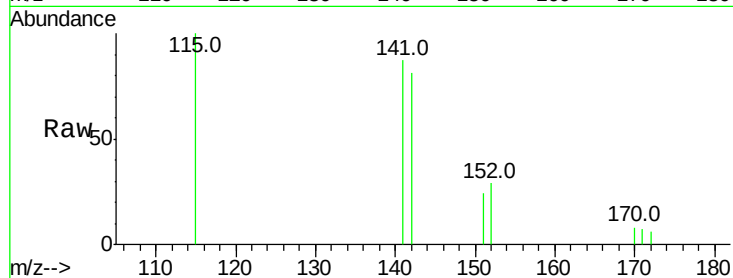
Tot Ion:142 Resp: 1191

Ion Ratio Lower Upper

142 100

141 107.3 72.6 108.8

115 123.0 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: BE093050.D

Acq: 16 May 2017 12:48

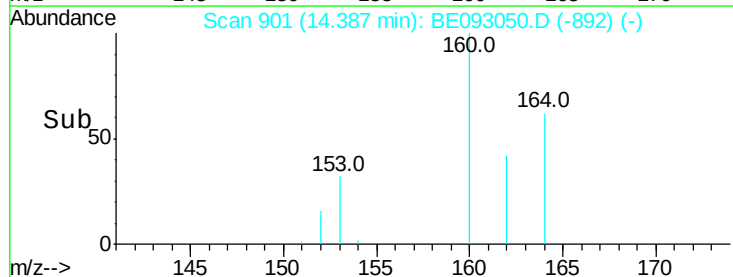
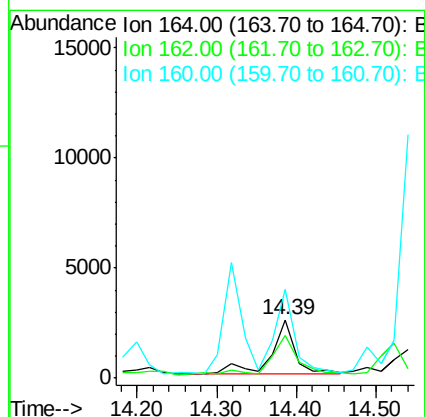
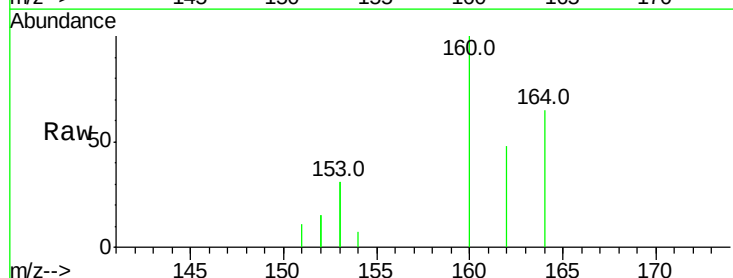
Tgt Ion:164 Resp: 5262

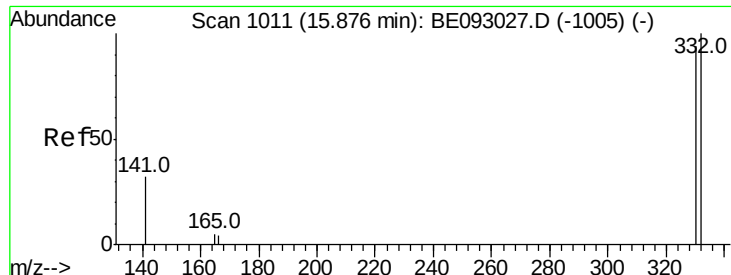
Ion Ratio Lower Upper

164 100

162 74.1 84.6 127.0#

160 153.2 41.8 62.6#

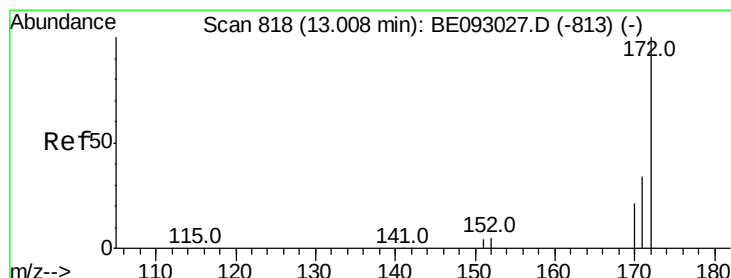
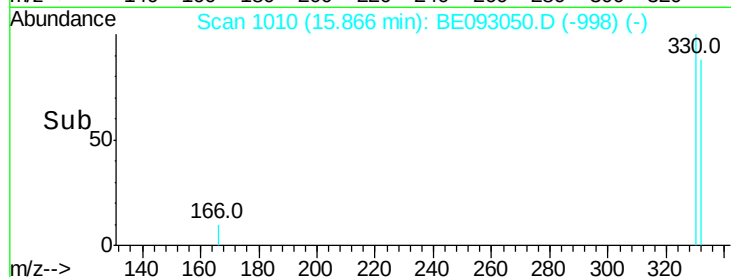
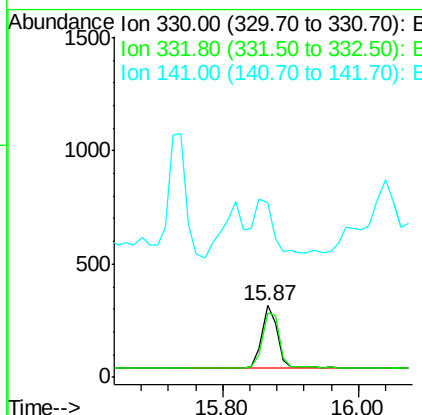
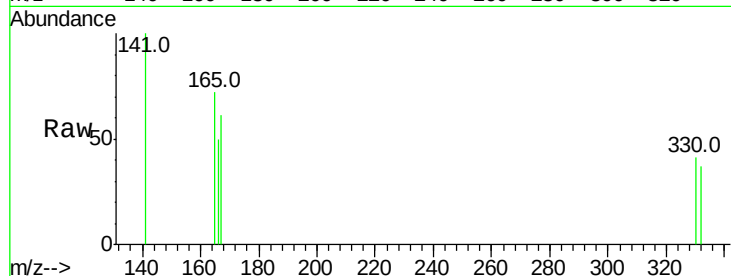




#14
 2,4,6-Tribromophenol
 Concen: 0.27 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

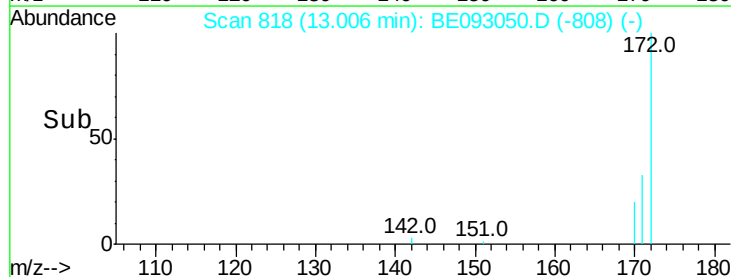
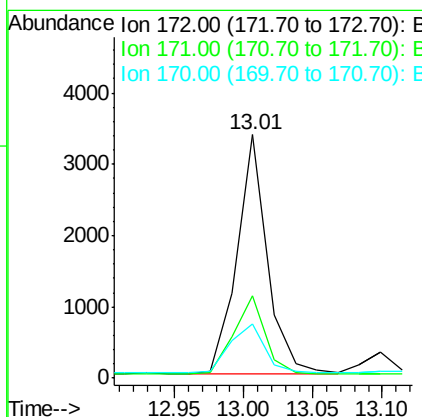
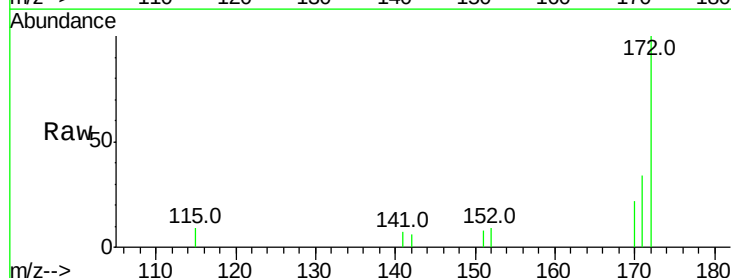
Instrument :
 BNA_E
 ClientSampleId :

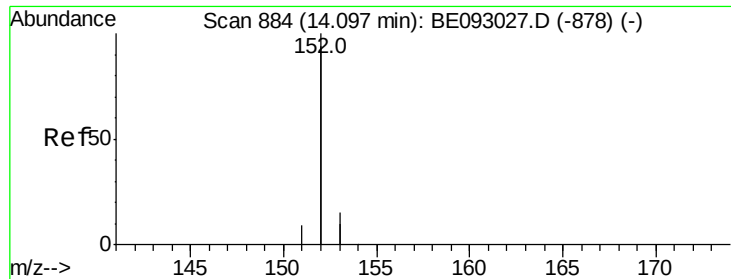
Tot Ion:330 Resp: 426
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.7 116.5
 141 116.0 56.2 84.4#



#15
 2-Fluorobiphenyl
 Concen: 0.24 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

Tgt Ion:172 Resp: 5133
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.8 44.6
 170 22.2 20.7 31.1





#16

Acenaphthylene

Concen: 0.05 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

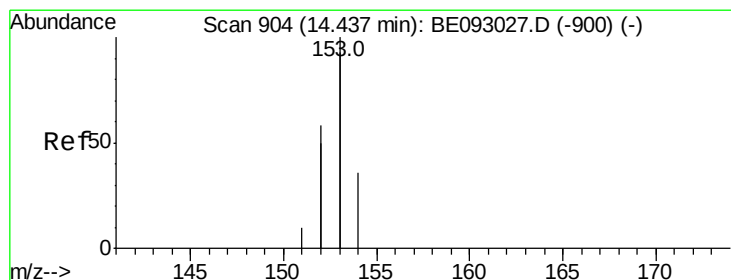
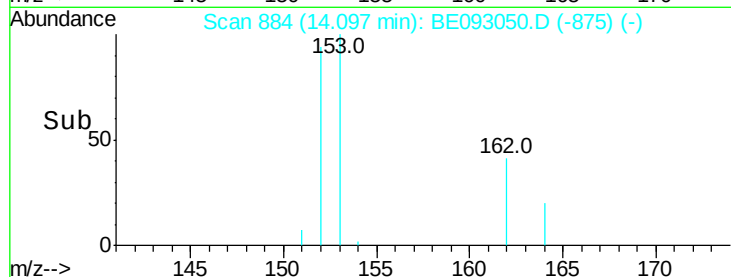
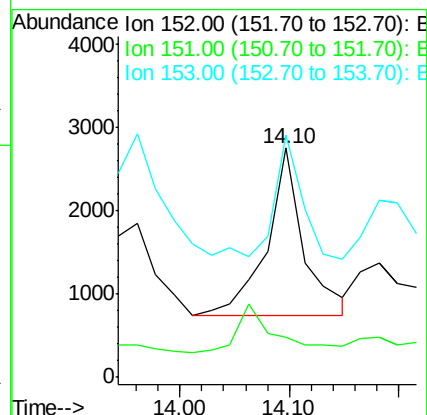
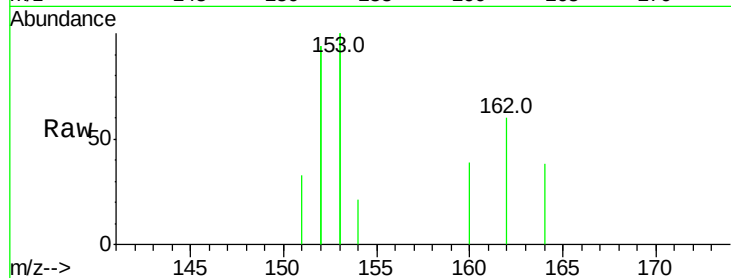
Tot Ion:152 Resp: 4668

Ion Ratio Lower Upper

152 100

151 0.0 4.0 6.0#

153 53.7 10.3 15.5#



#17

Acenaphthene

Concen: 0.06 ng

RT: 14.44 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

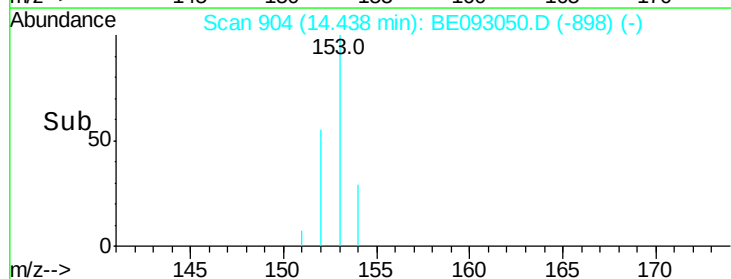
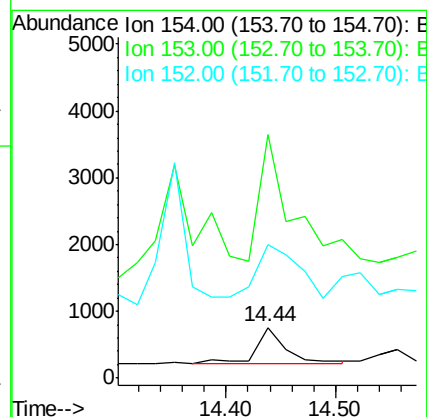
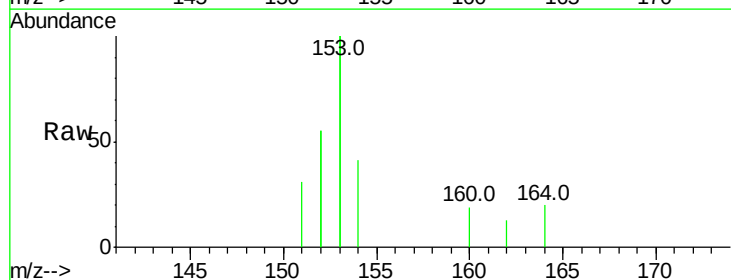
Tgt Ion:154 Resp: 1064

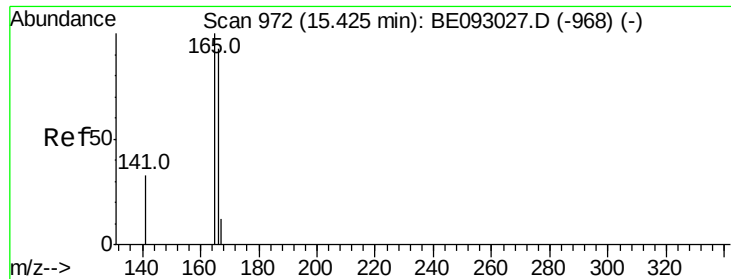
Ion Ratio Lower Upper

154 100

153 364.8 367.8 551.6#

152 193.4 188.2 282.2

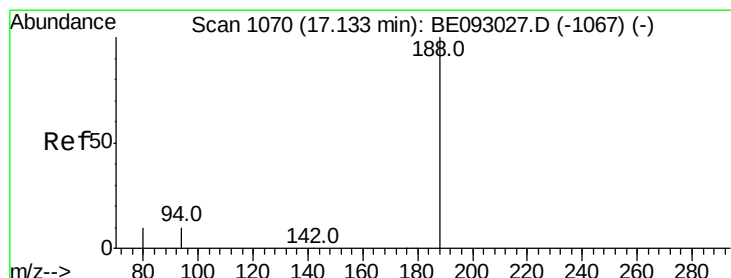
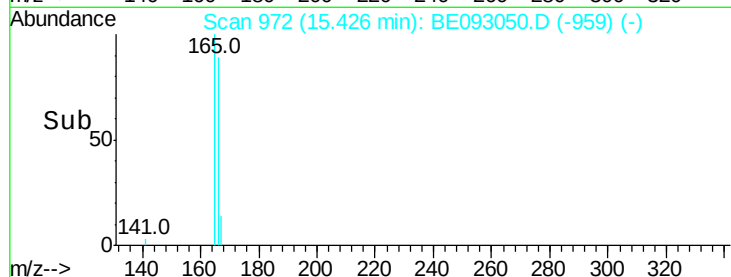
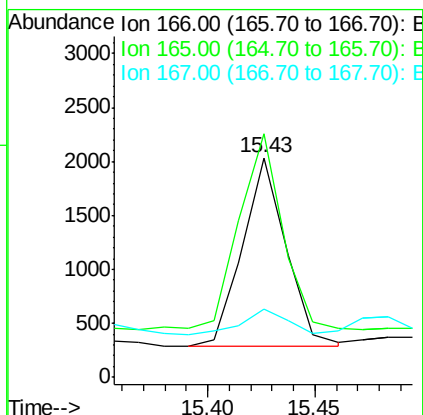
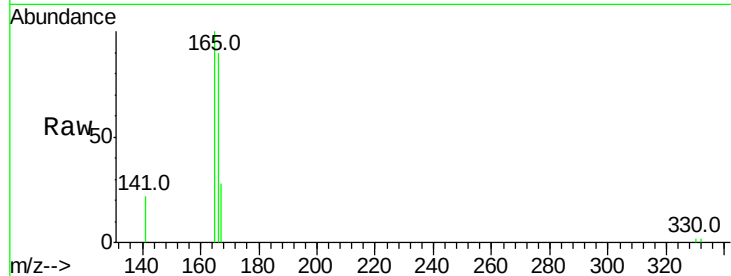




#18
 Fluorene
 Concen: 0.12 ng
 RT: 15.43 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

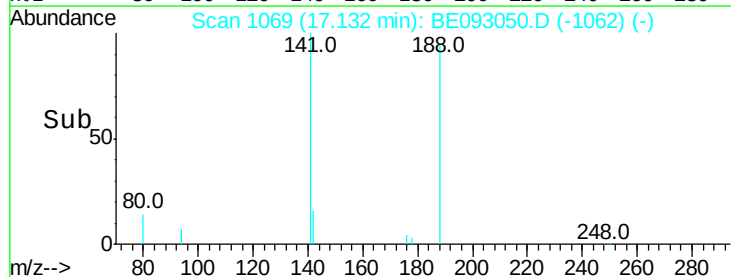
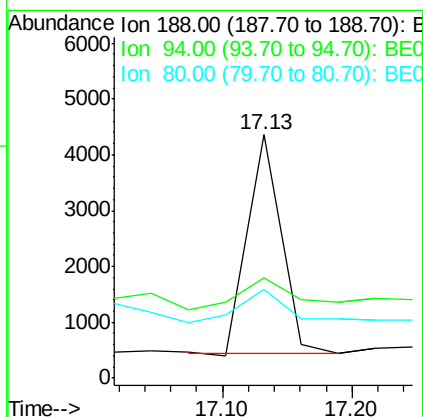
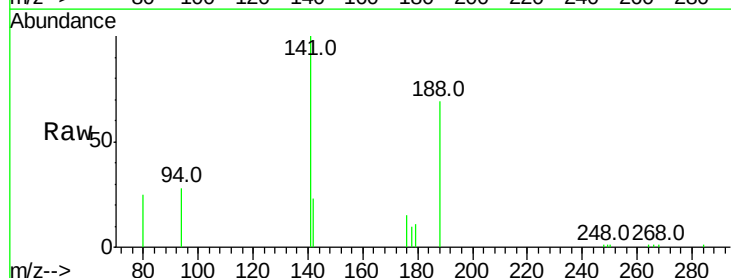
Instrument :
 BNA_E
 ClientSampleId :

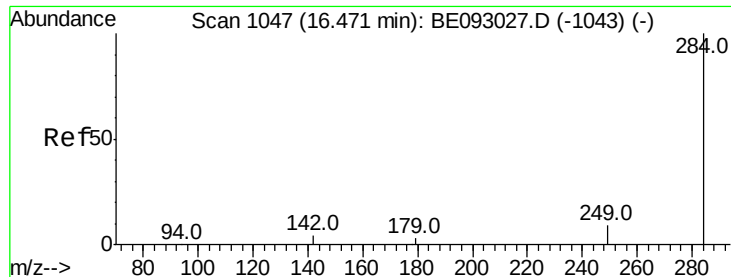
Tot Ion:166 Resp: 2501
 Ion Ratio Lower Upper
 166 100
 165 103.4 78.6 117.8
 167 14.0 11.1 16.7



#19
 Phenanthrene-d10
 Concen: 0.40 ng
 RT: 17.13 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

Tgt Ion:188 Resp: 6916
 Ion Ratio Lower Upper
 188 100
 94 41.0 11.3 16.9#
 80 36.5 11.7 17.5#





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.47 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BE093050.D

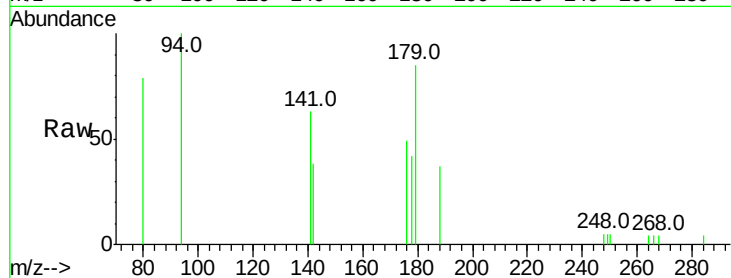
Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

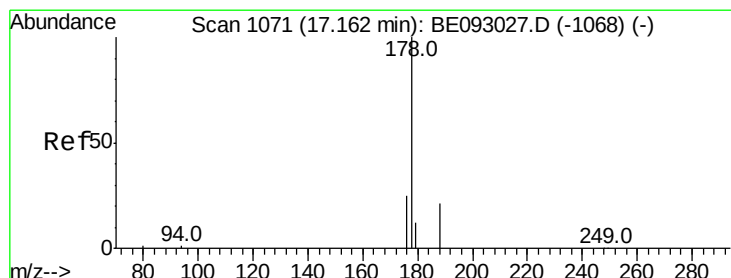
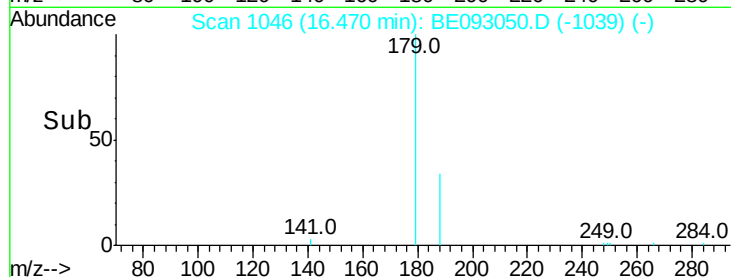
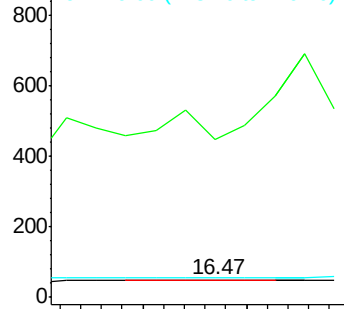
Tot Ion:284	Resp:	9	
Ion Ratio	Lower	Upper	
284 100			
142 0.0	0.0	0.0	
249 0.0	0.0	0.0	



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



#23

Phenanthrene

Concen: 0.05 ng

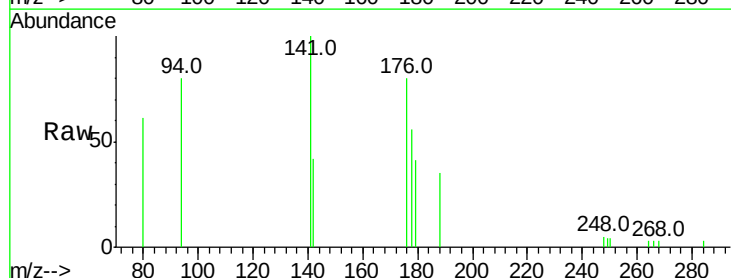
RT: 17.16 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

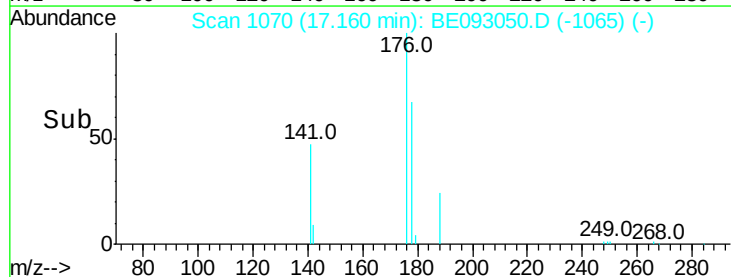
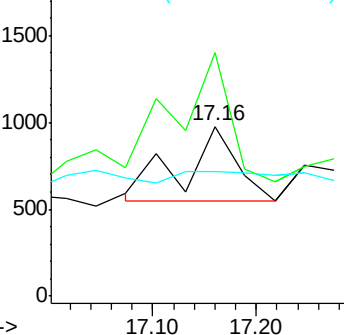
Tgt	Ion:178	Resp:	1573
Ion	Ratio	Lower	Upper
178	100		
176	176.8	15.0	22.4#
179	25.1	12.7	19.1#

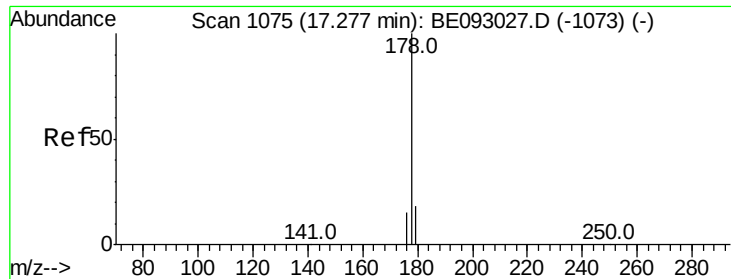


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

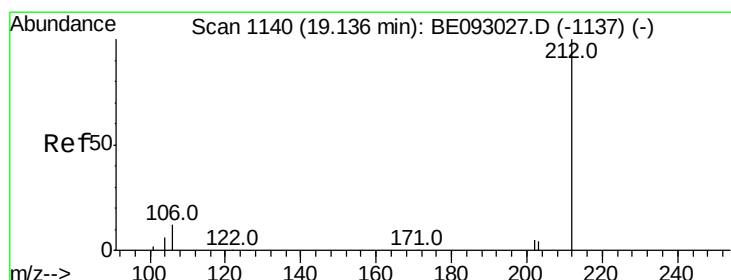
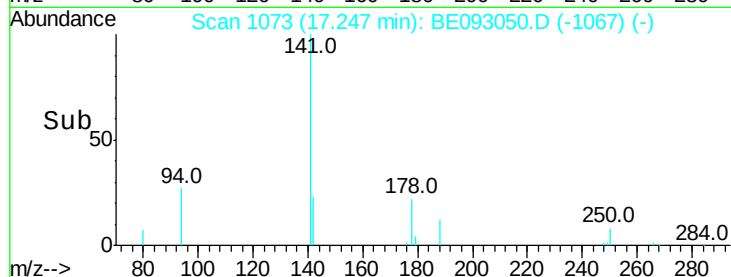
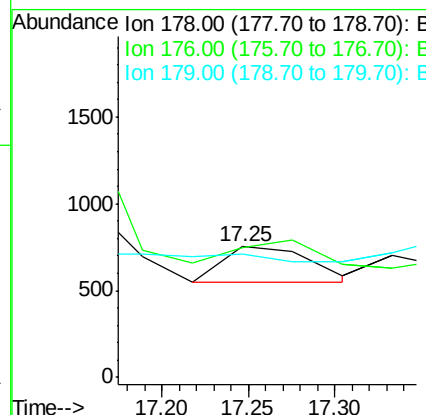
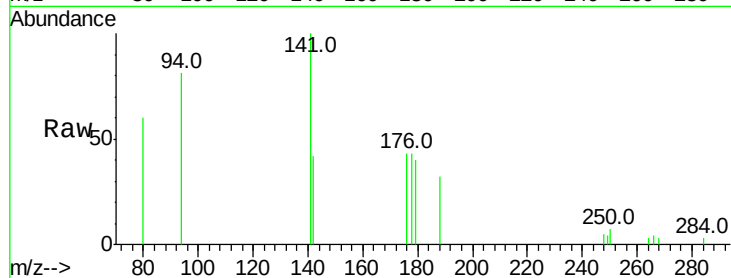




#24
 Anthracene
 Concen: Below Cal
 RT: 17.25 min Scan# 1073
 Delta R.T. -0.03 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

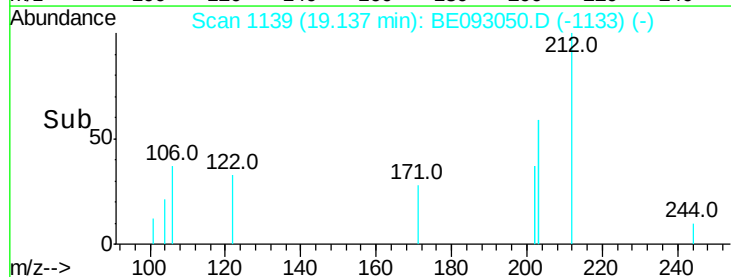
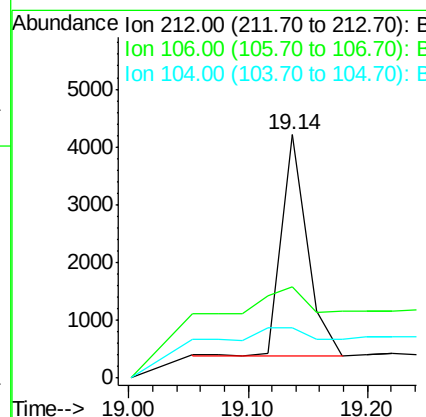
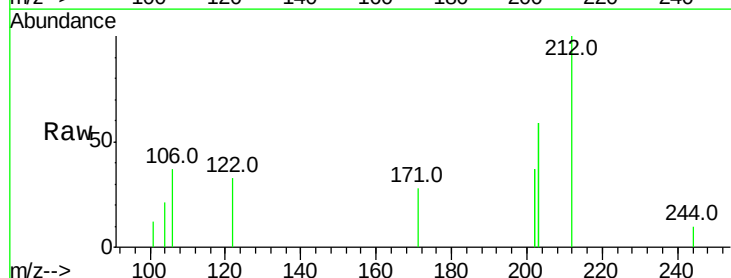
Instrument :
 BNA_E
 ClientSampleId :

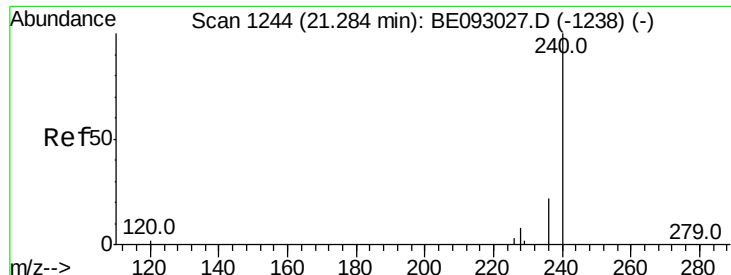
Tot Ion:178 Resp: 732
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.6 22.0#
 179 0.0 12.0 18.0#



#25
 Fluoranthene-d10
 Concen: 0.32 ng
 RT: 19.14 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BE093050.D
 Acq: 16 May 2017 12:48

Tgt Ion:212 Resp: 5791
 Ion Ratio Lower Upper
 212 100
 106 17.7 0.0 0.0#
 104 0.0 0.0 0.0





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

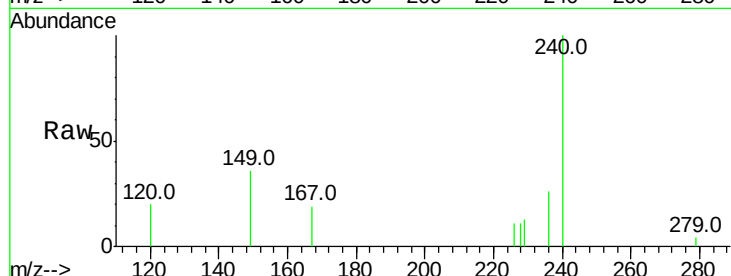
Tot Ion:240 Resp: 7357

Ion Ratio Lower Upper

240 100

120 20.4 4.6 7.0#

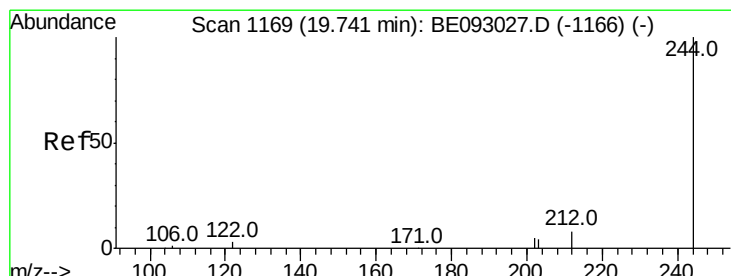
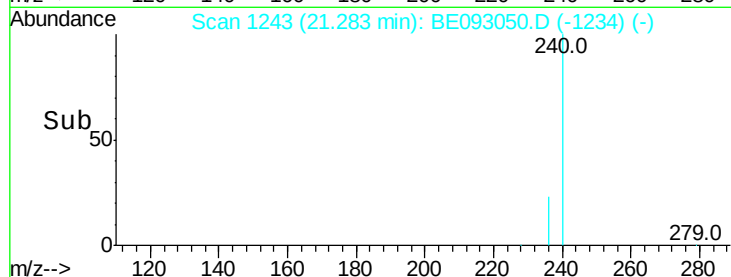
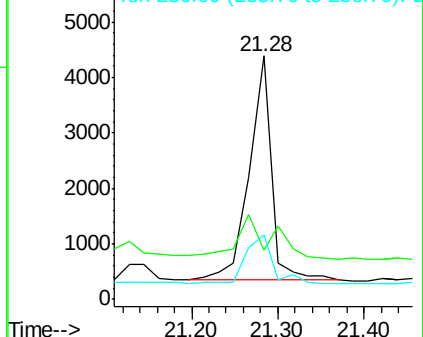
236 26.3 20.8 31.2



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



#29

Terphenyl-d14

Concen: 0.60 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

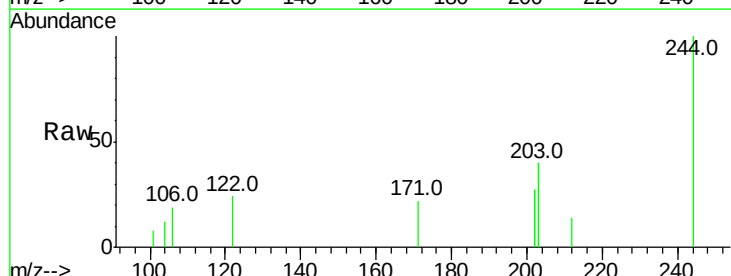
Tgt Ion:244 Resp: 8299

Ion Ratio Lower Upper

244 100

212 13.6 10.6 16.0

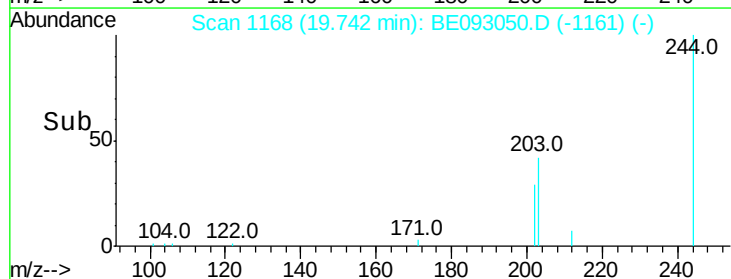
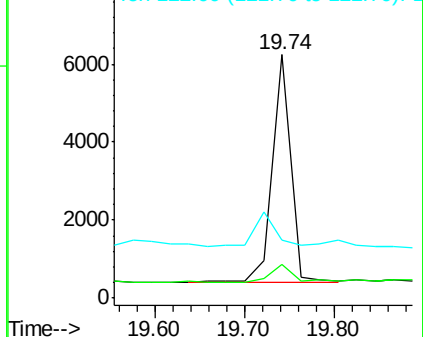
122 23.6 15.4 23.0#

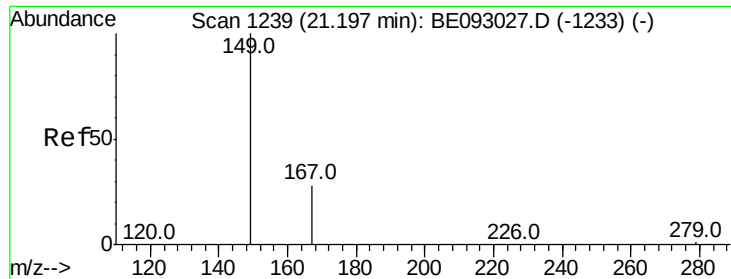


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.49 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

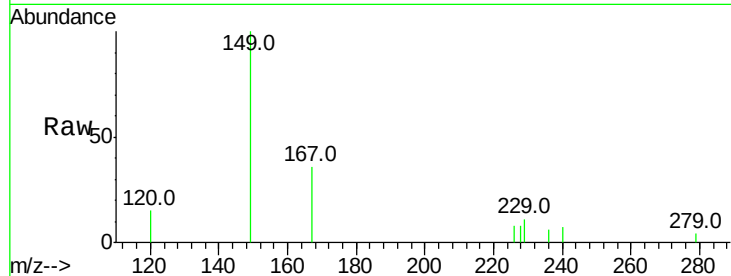
Tot Ion:149 Resp: 5045

Ion Ratio Lower Upper

149 100

167 25.7 20.1 30.1

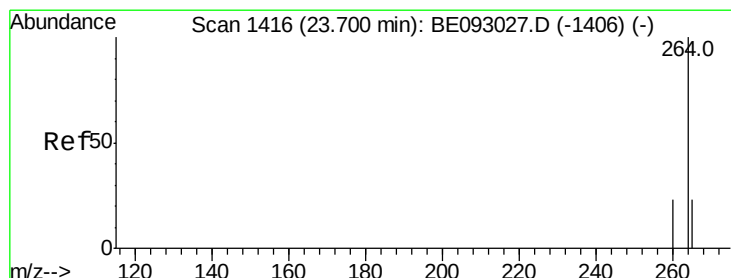
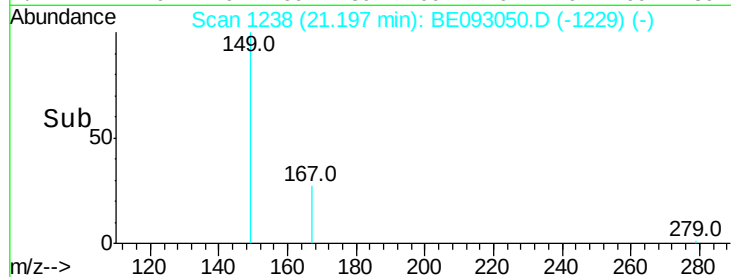
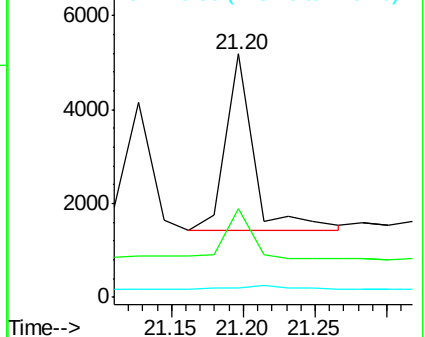
279 3.1 2.2 3.4



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: 23.69 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE093050.D

Acq: 16 May 2017 12:48

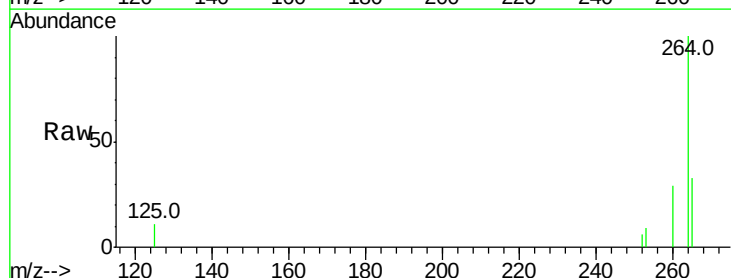
Tgt Ion:264 Resp: 5736

Ion Ratio Lower Upper

264 100

260 29.2 21.0 31.4

265 32.8 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

