

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093019.D
 Acq On : 12 May 2017 15:49
 Operator : SJ/MA
 Sample : I3058-12DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW004-170508DL

Quant Time: May 12 17:24:07 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	890	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3775	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1710	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4980	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5362	0.40	ng	0.00
34) Perylene-d12	23.69	264	4556	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	89	0.04	ng	0.00
5) Phenol-d6	6.92	99	80	0.03	ng	-0.02
8) Nitrobenzene-d5	8.88	82	249	0.08	ng	-0.02
11) 2-Methylnaphthalene-d10	12.13	152	382	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	42	0.09	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	757	0.11	ng	0.00
25) Fluoranthene-d10	19.14	212	1030	0.08	ng	-0.01
29) Terphenyl-d14	19.74	244	1265	0.13	ng	0.00

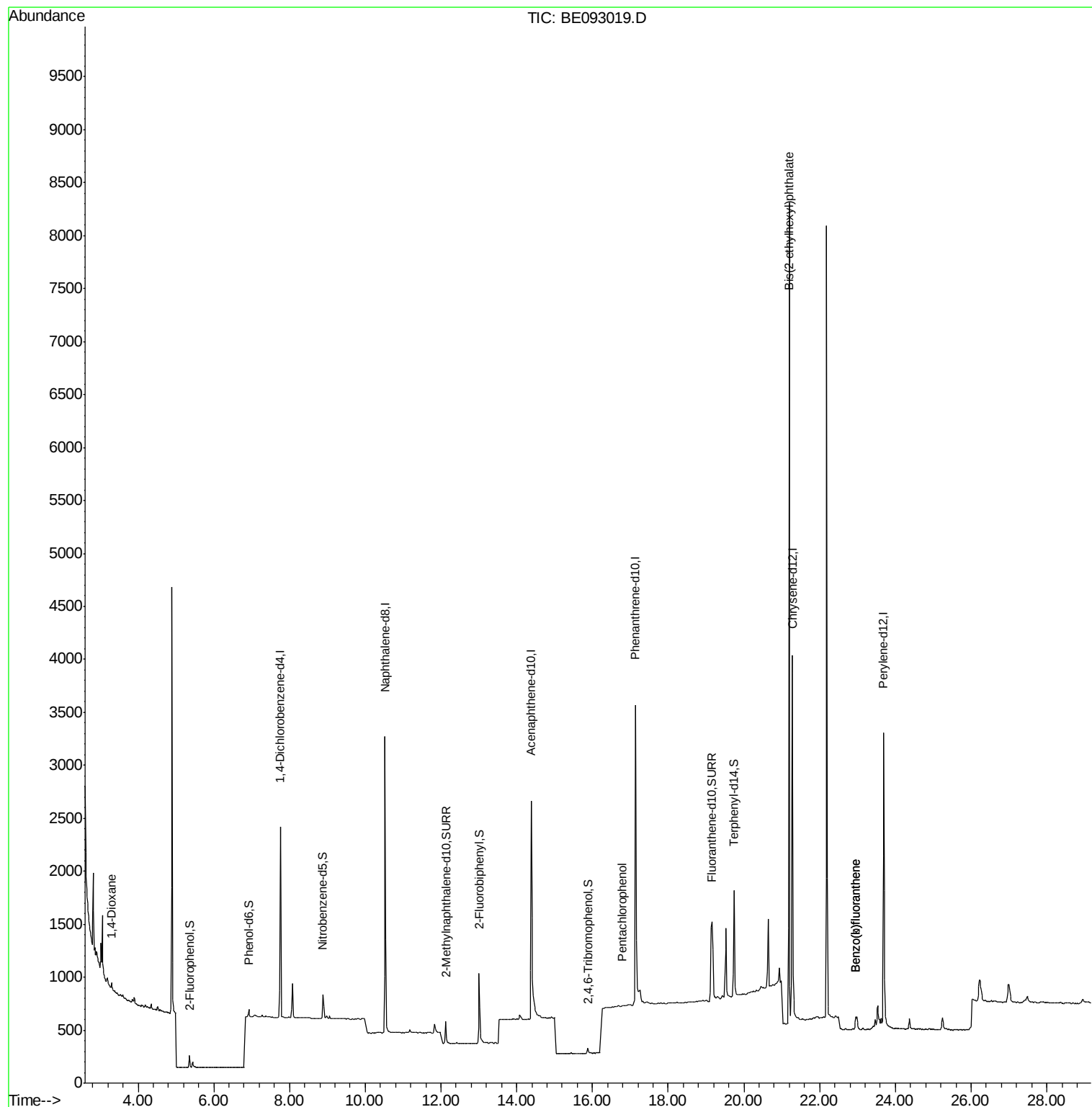
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	56	0.03	ng	# 75
21) Hexachlorobenzene	16.41	284	3	Below Cal		# 100
22) Pentachlorophenol	16.79	266	10	0.09	ng	# 83
23) Phenanthrene	17.19	178	95	Below Cal		# 71
32) Bis(2-ethylhexyl)phthalate	21.20	149	7339	1.21	ng	# 96
35) Benzo(b)fluoranthene	22.95	252	324	0.02	ng	# 1
36) Benzo(k)fluoranthene	22.95	252	332	0.02	ng	# 3

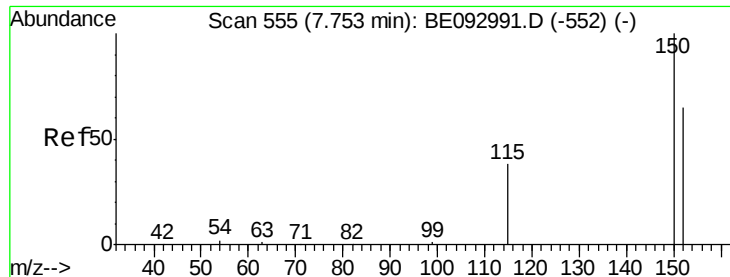
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

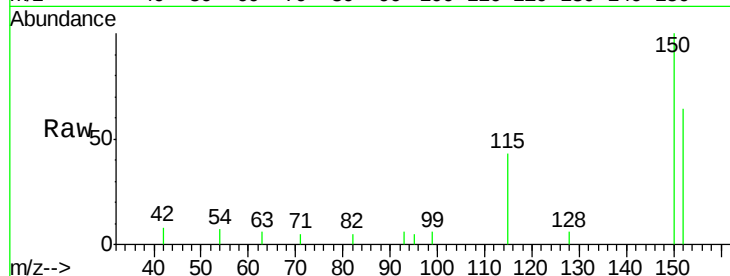
Tgt Ion: 152 Resp: 890

Ion Ratio Lower Upper

152 100

150 155.6 125.1 187.7

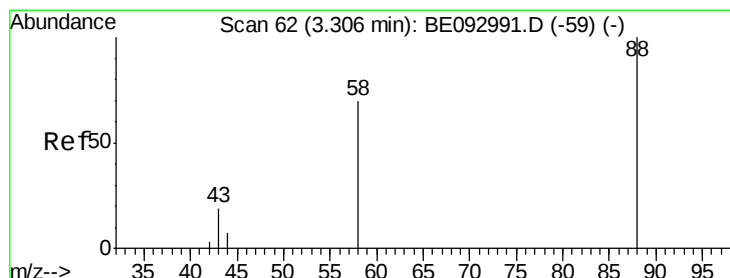
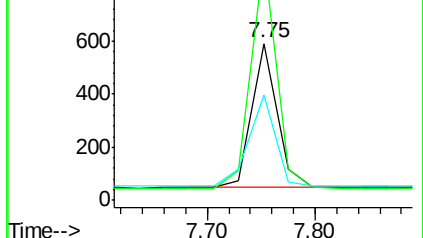
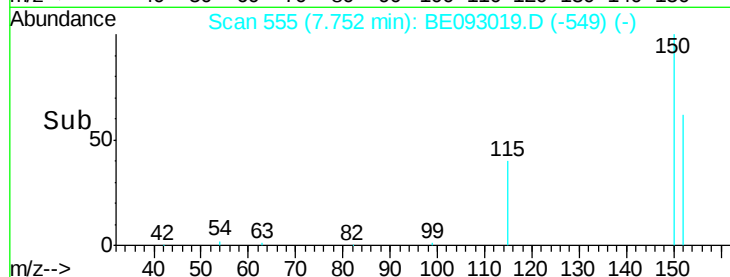
115 67.6 55.7 83.5



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: 0.03 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

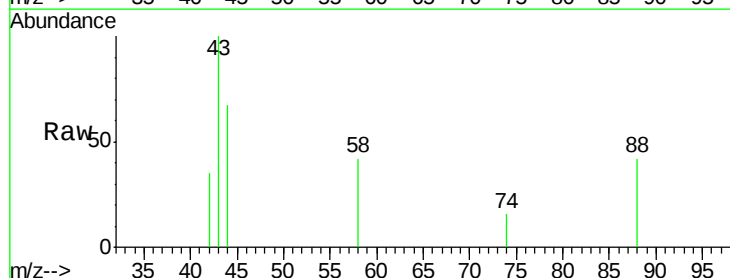
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

58 66.1 62.2 93.4

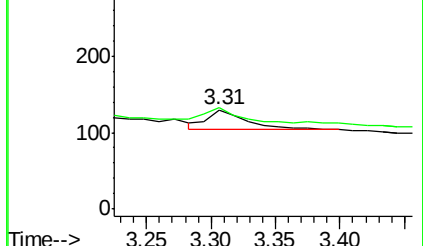
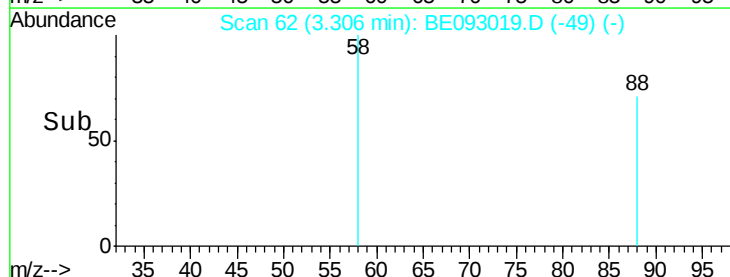
43 0.0 23.2 34.8#

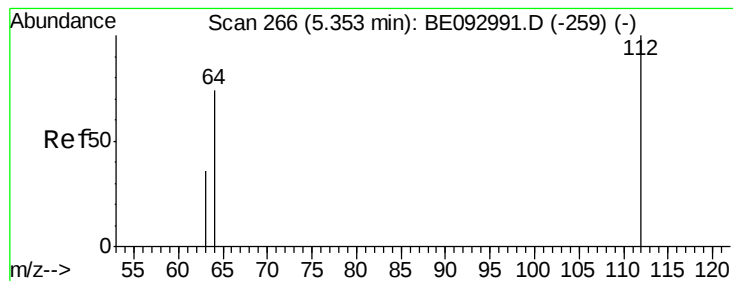


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.04 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

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LF017MW004-170508DL

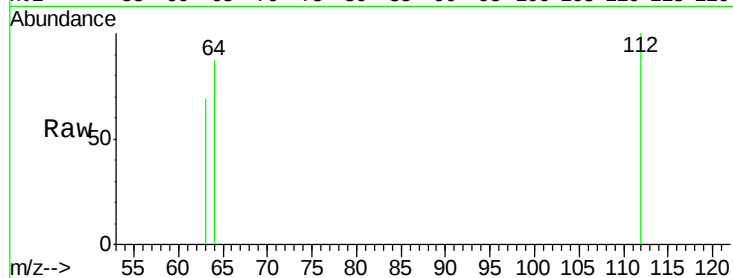
Tgt Ion: 112 Resp: 89

Ion Ratio Lower Upper

112 100

64 74.2 56.4 84.6

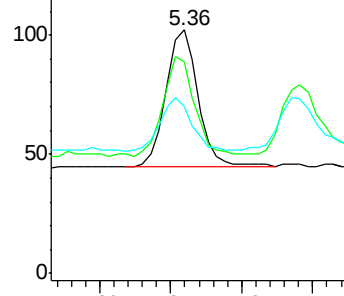
63 40.4 29.3 43.9



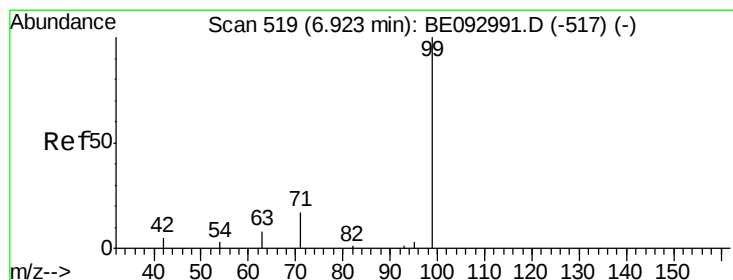
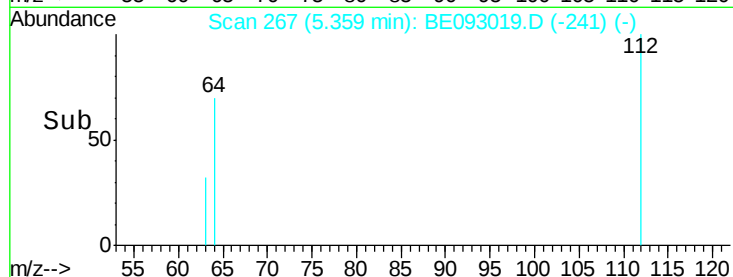
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.03 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

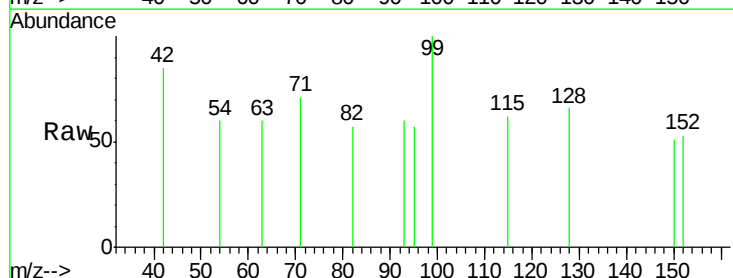
Tgt Ion: 99 Resp: 80

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

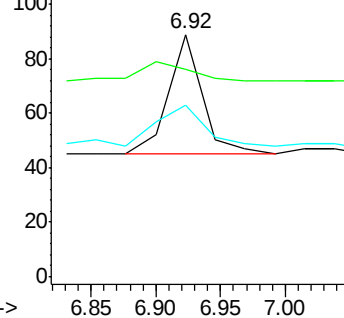
71 48.8 0.0 0.0#



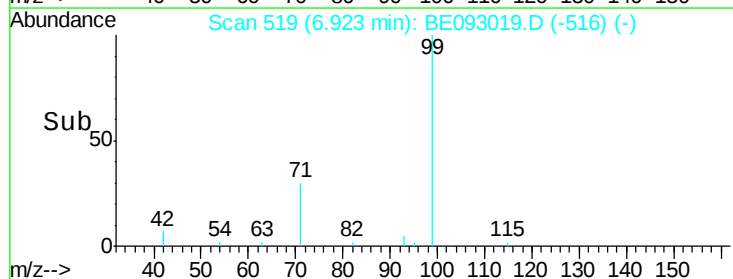
Abundance Ion 99.00 (98.70 to 99.70): BE0

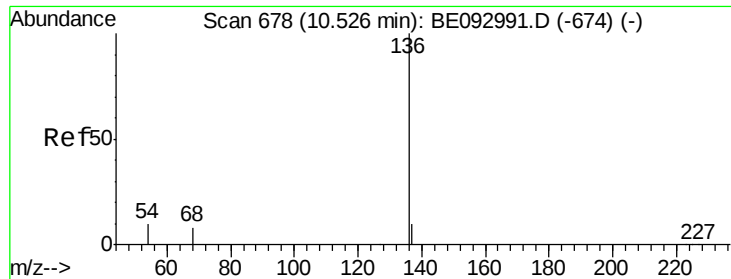
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

Tgt Ion: 136 Resp: 3775

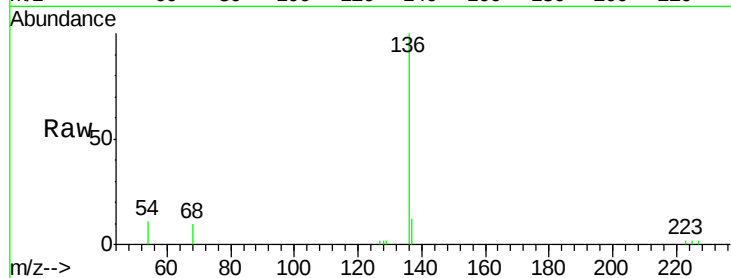
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 11.4 10.3 15.5

68 10.1 9.0 13.4

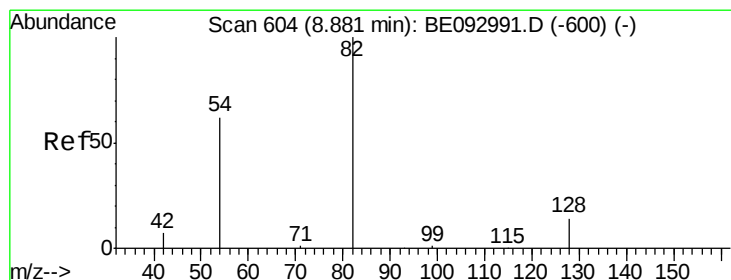
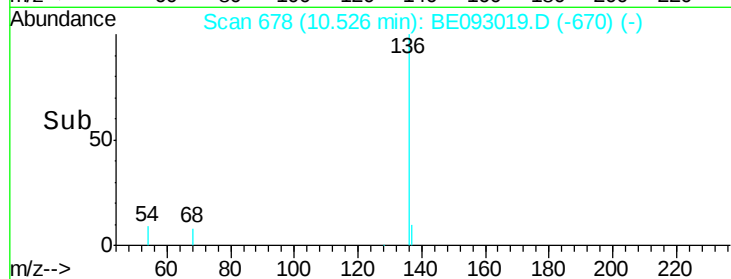
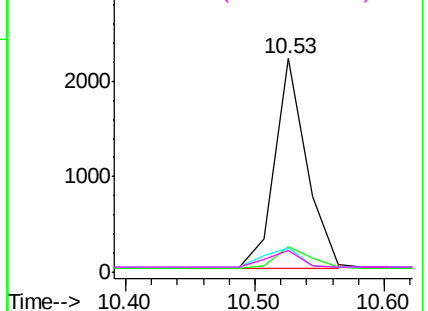


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.08 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

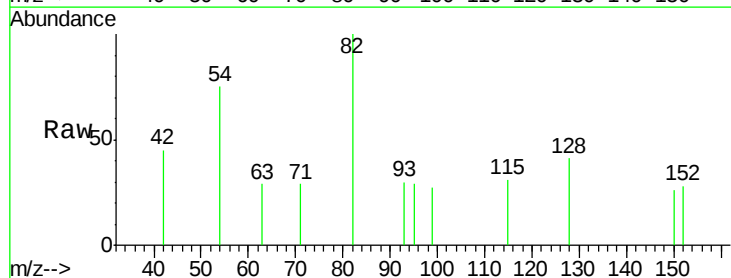
Tgt Ion: 82 Resp: 249

Ion Ratio Lower Upper

82 100

128 40.6 17.0 25.4#

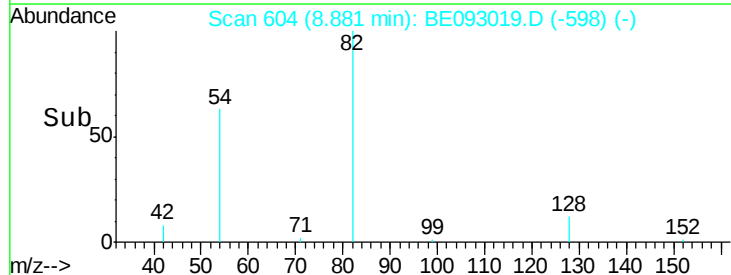
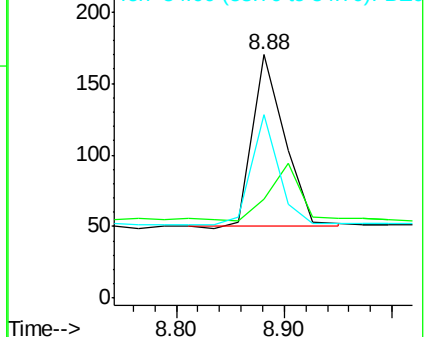
54 75.3 53.8 80.6

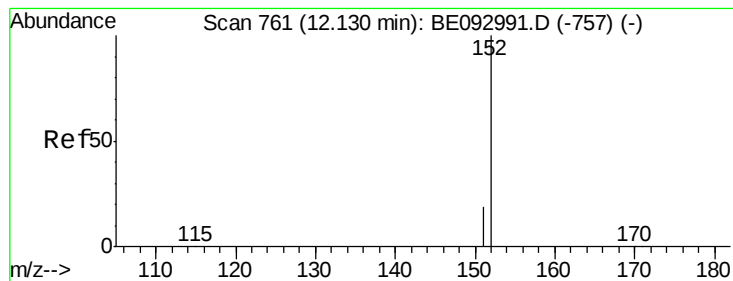


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.07 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

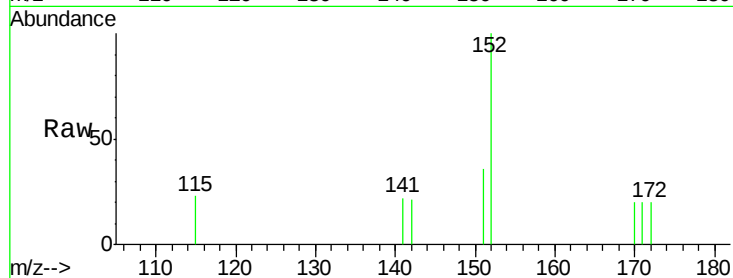
LF017MW004-170508DL

Tgt Ion:152 Resp: 382

Ion Ratio Lower Upper

152 100

151 18.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.13

250

200

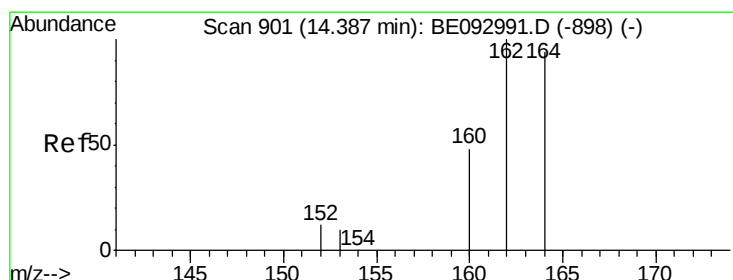
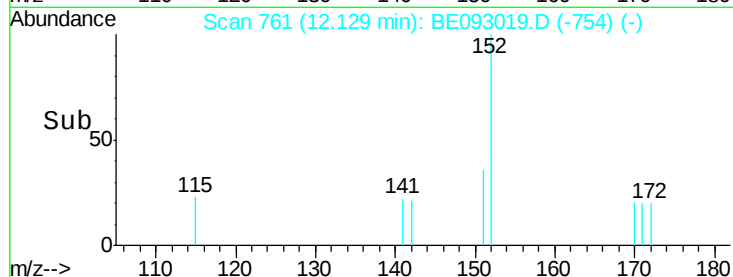
150

100

50

0

Time--> 12.00 12.10 12.20



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

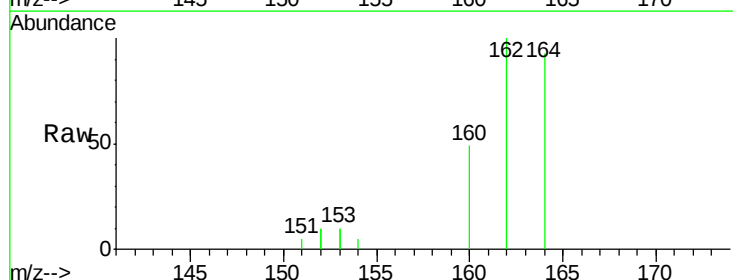
Tgt Ion:164 Resp: 1710

Ion Ratio Lower Upper

164 100

162 107.9 84.6 127.0

160 53.3 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.39

1200

1000

800

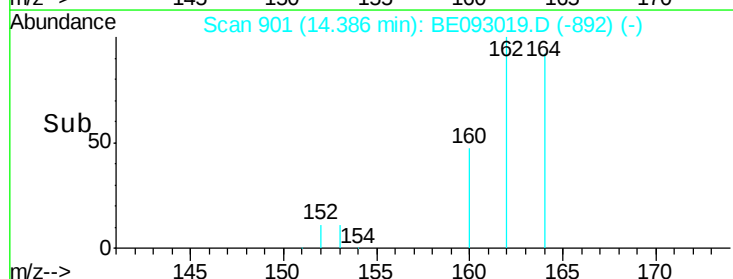
600

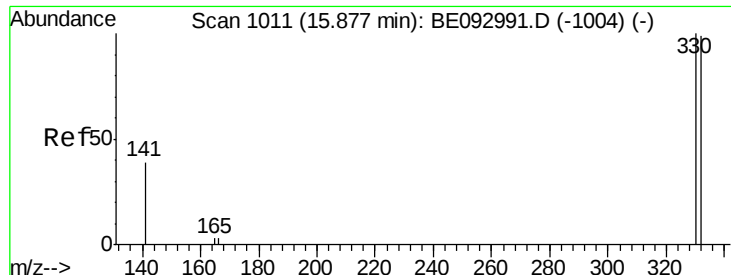
400

200

0

Time--> 14.30 14.40 14.50

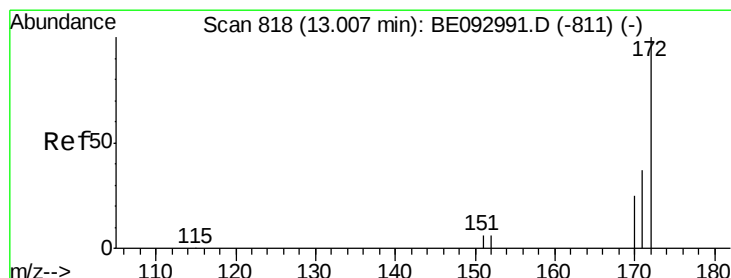
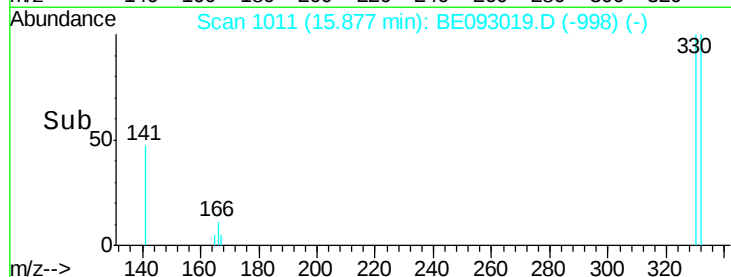
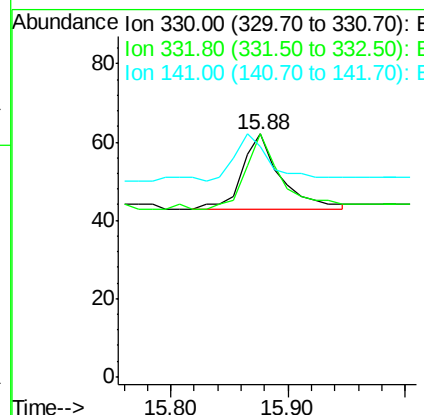
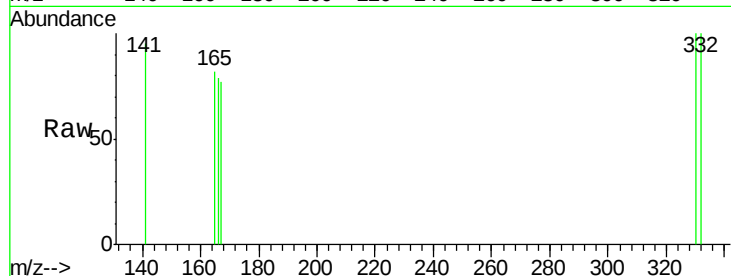




#14
 2,4,6-Tribromophenol
 Concen: 0.09 ng
 RT: 15.88 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BE093019.D
 Acq: 12 May 2017 15:49

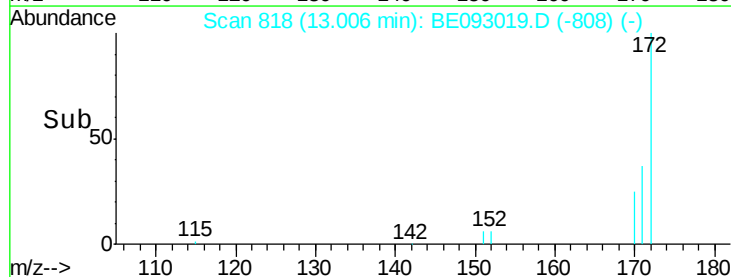
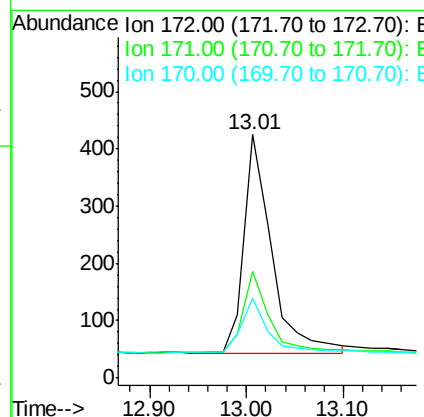
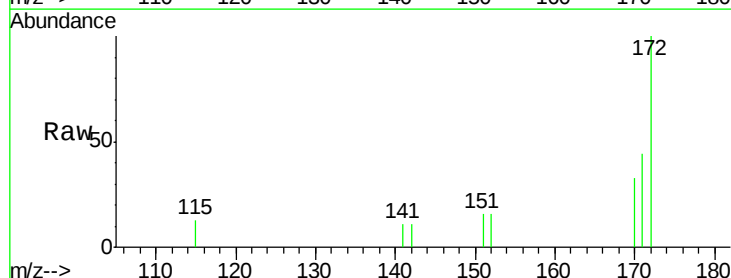
Instrument :
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 LF017MW004-170508DL

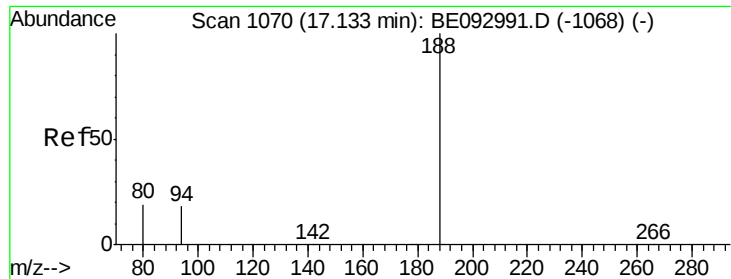
Tgt Ion: 330 Resp: 42
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.7 116.5
 141 61.9 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.11 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093019.D
 Acq: 12 May 2017 15:49

Tgt Ion: 172 Resp: 757
 Ion Ratio Lower Upper
 172 100
 171 43.8 29.8 44.6
 170 32.7 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: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

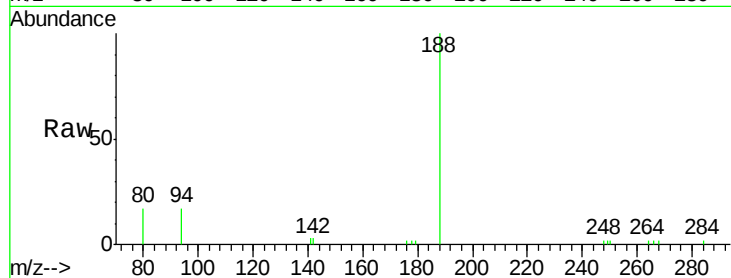
Tgt Ion:188 Resp: 4980

Ion Ratio Lower Upper

188 100

94 16.8 11.3 16.9

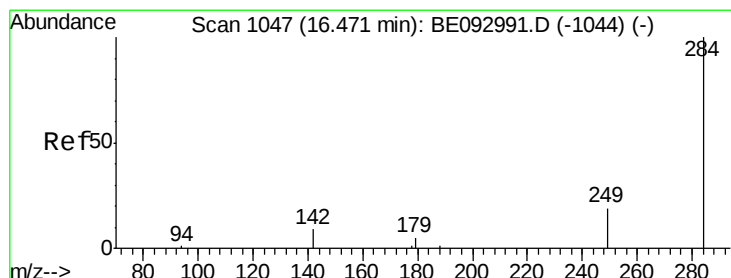
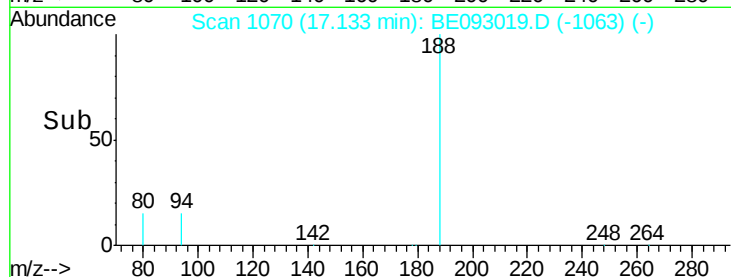
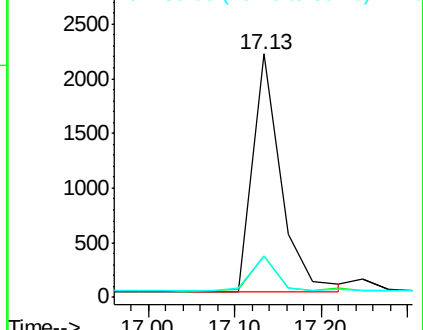
80 17.2 11.7 17.5



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: 16.41 min Scan# 1045

Delta R.T. -0.05 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

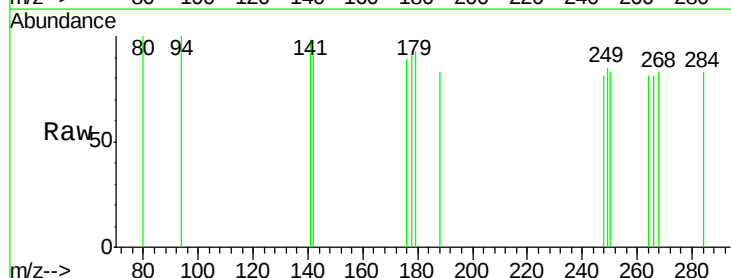
Tgt Ion:284 Resp: 3

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

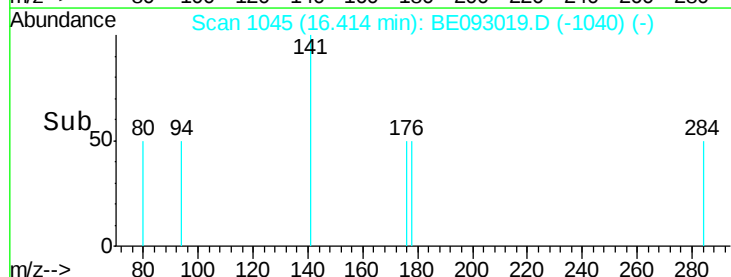
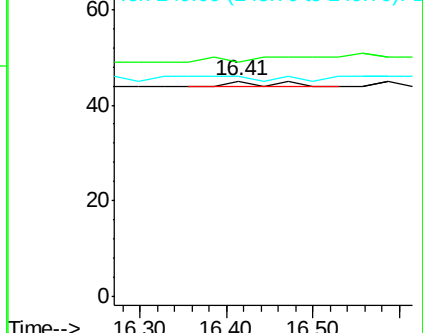
249 0.0 0.0 0.0

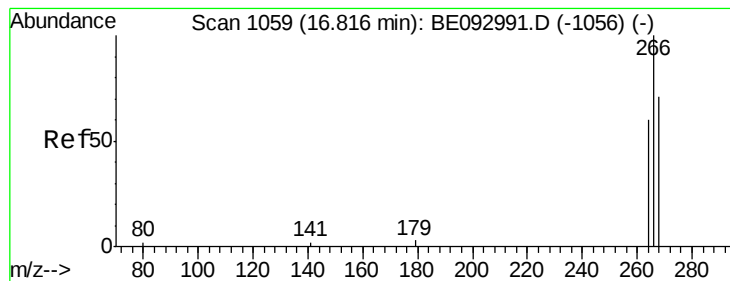


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.09 ng

RT: 16.79 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BE093019.D

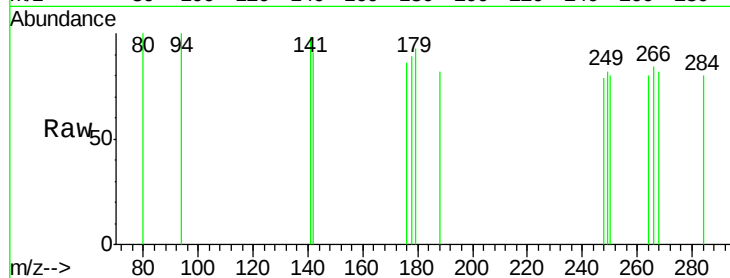
Acq: 12 May 2017 15:49

Instrument :

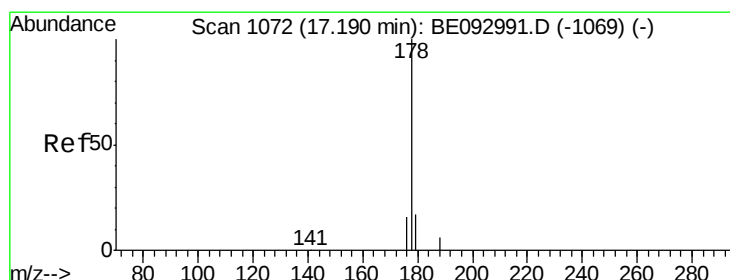
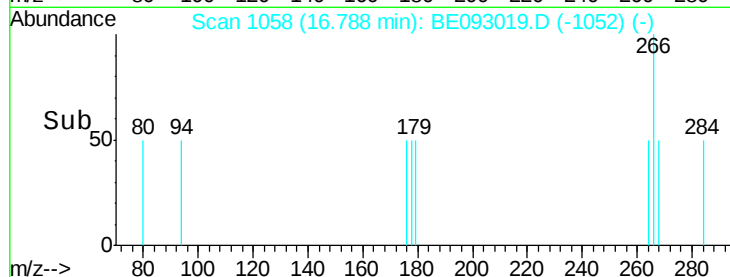
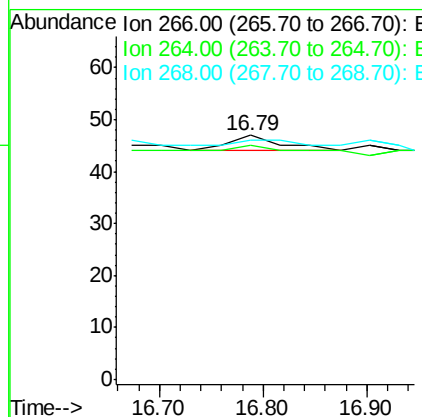
BNA_E

ClientSampleId :

LF017MW004-170508DL



Tgt Ion:	266	Resp:	10
Ion	Ratio	Lower	Upper
266	100		
264	95.7	58.2	87.2#
268	97.9	71.9	107.9



#23

Phenanthrene

Concen: Below Cal

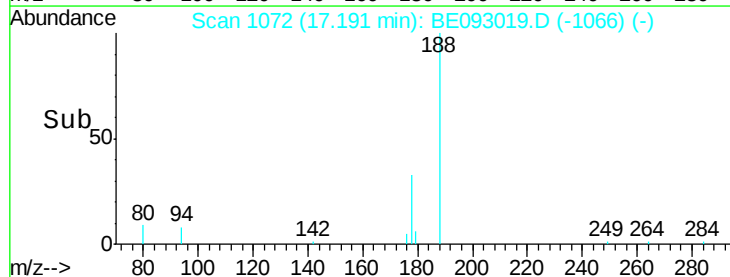
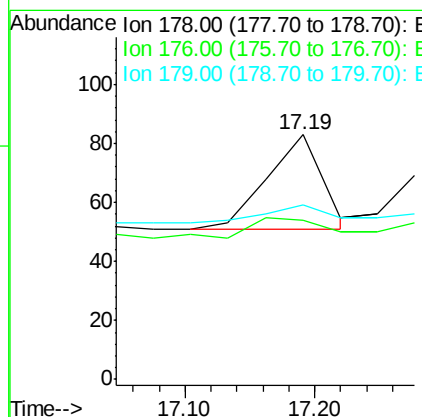
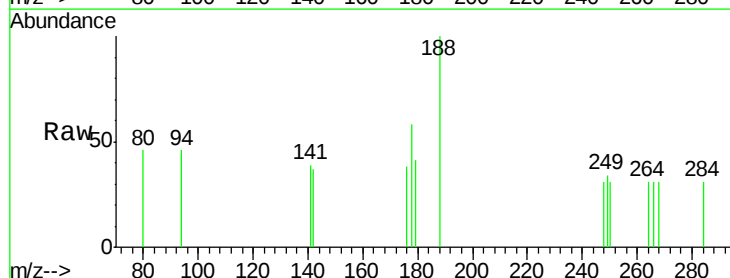
RT: 17.19 min Scan# 1072

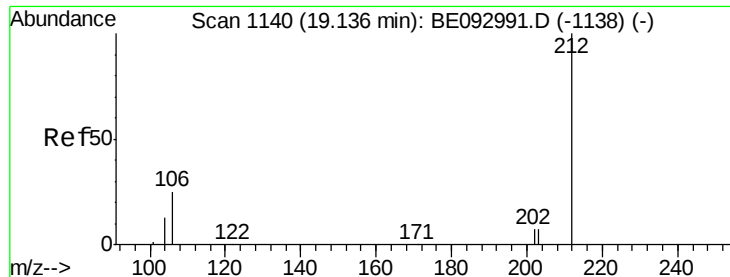
Delta R.T. 0.01 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Tgt Ion:	178	Resp:	95
Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	22.1	12.7	19.1#





#25

Fluoranthene-d10

Concen: 0.08 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

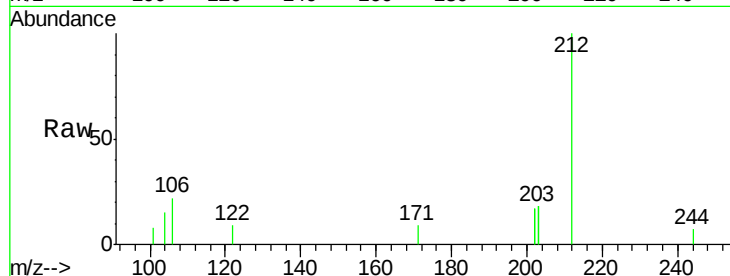
Tgt Ion:212 Resp: 1030

Ion Ratio Lower Upper

212 100

106 16.1 0.0 0.0#

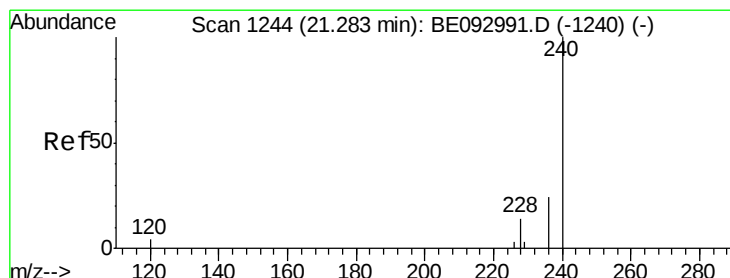
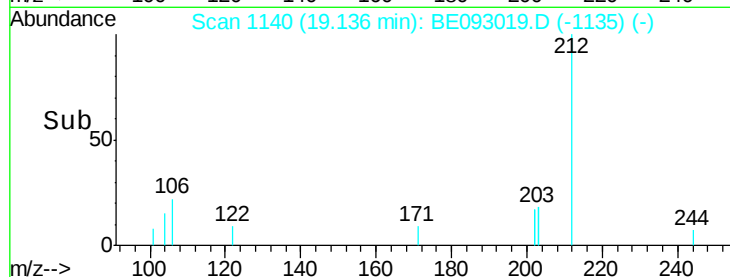
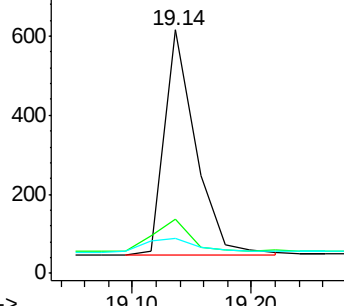
104 10.6 0.0 0.0#



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# 1244

Delta R.T. 0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

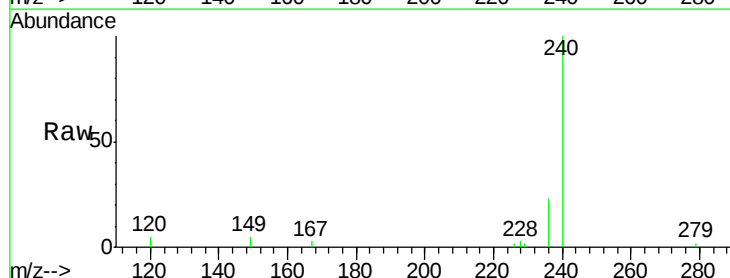
Tgt Ion:240 Resp: 5362

Ion Ratio Lower Upper

240 100

120 4.9 4.6 7.0

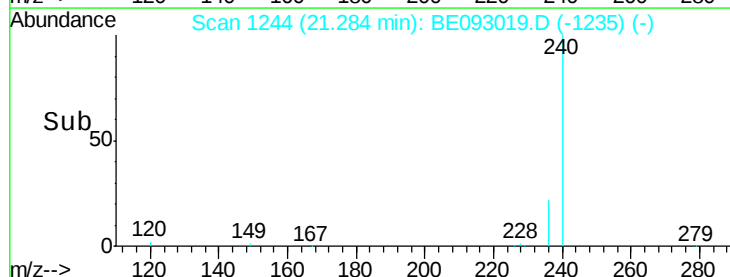
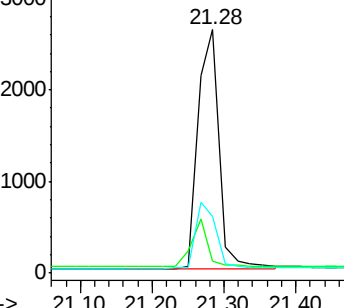
236 23.1 20.8 31.2

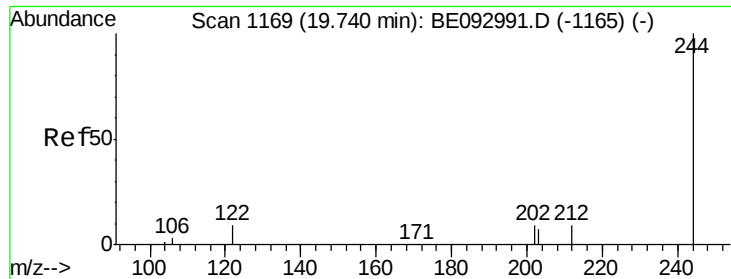


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.13 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

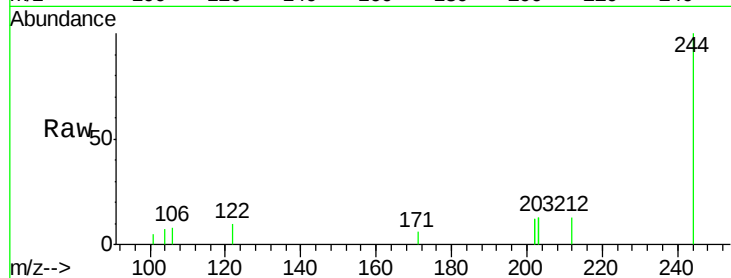
Tgt Ion:244 Resp: 1265

Ion Ratio Lower Upper

244 100

212 12.9 10.6 16.0

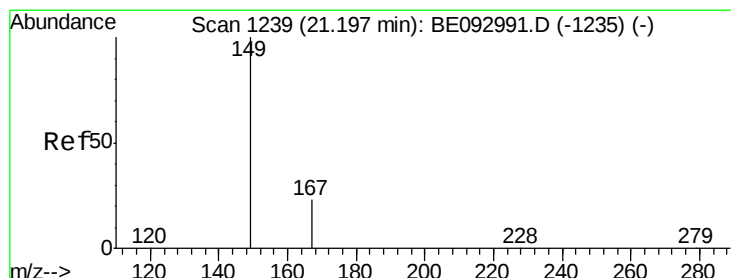
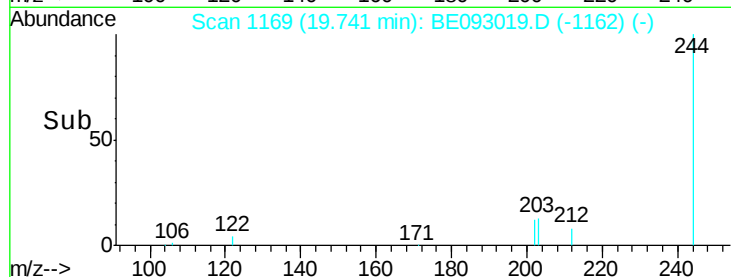
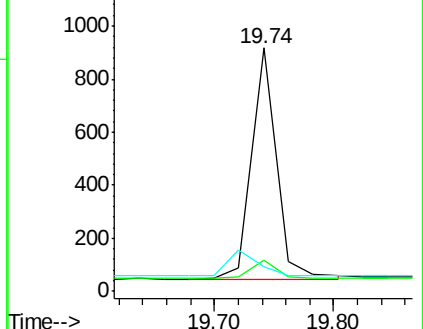
122 9.9 15.4 23.0#



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: 1.21 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

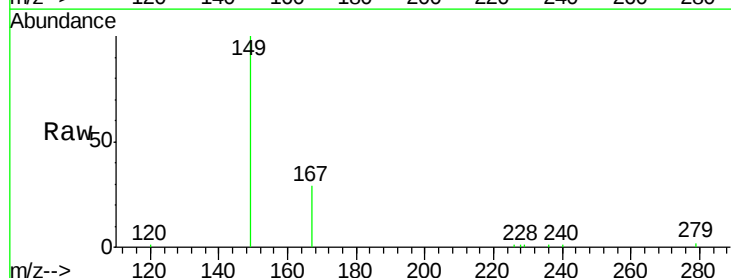
Tgt Ion:149 Resp: 7339

Ion Ratio Lower Upper

149 100

167 27.5 20.1 30.1

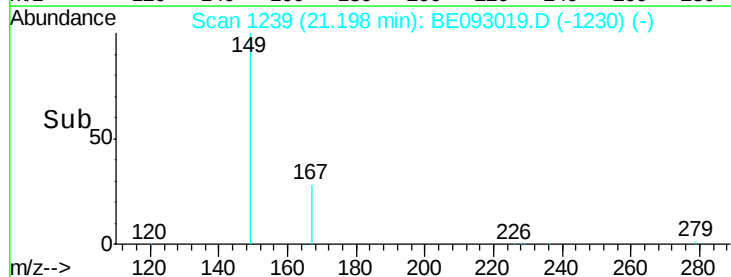
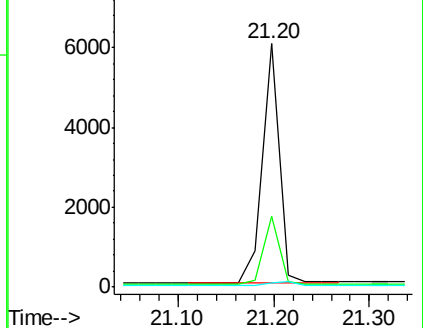
279 2.2 2.2 3.4#

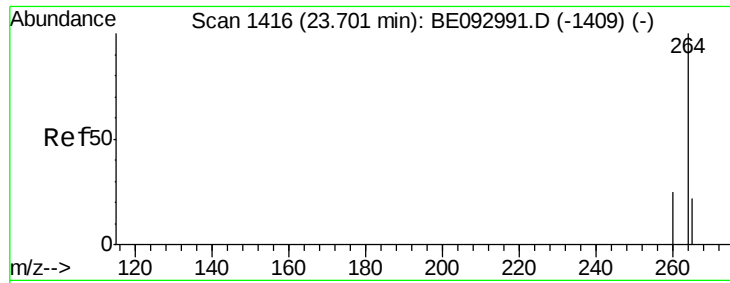


Abundance Ion 149.00 (148.70 to 149.70): E

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# 1415

Delta R.T. -0.01 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

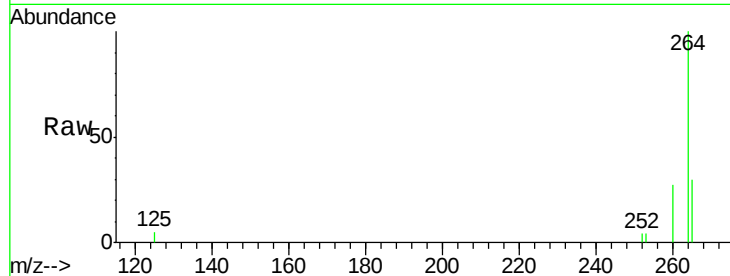
Tgt Ion: 264 Resp: 4556

Ion Ratio Lower Upper

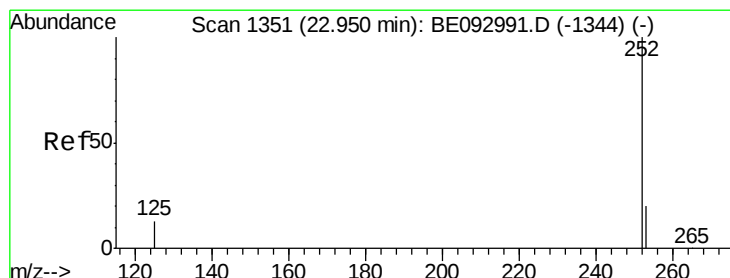
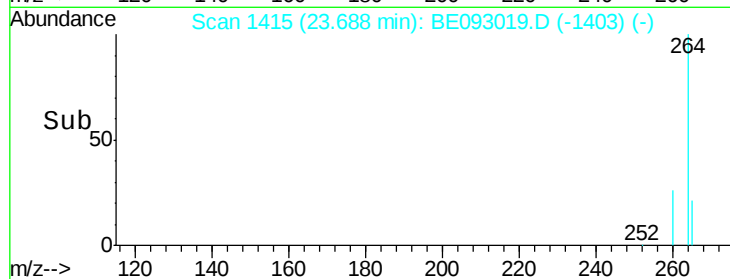
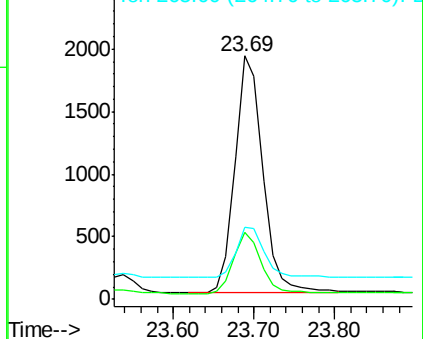
264 100

260 27.4 21.0 31.4

265 29.7 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



#35

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.95 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

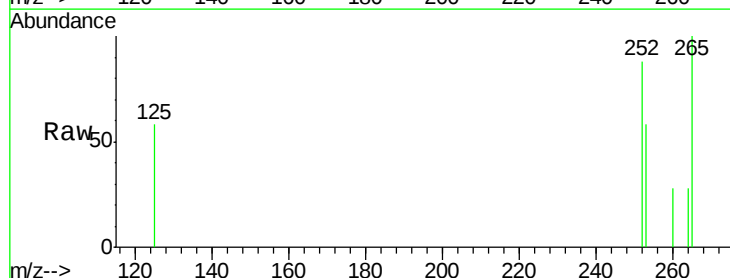
Tgt Ion: 252 Resp: 324

Ion Ratio Lower Upper

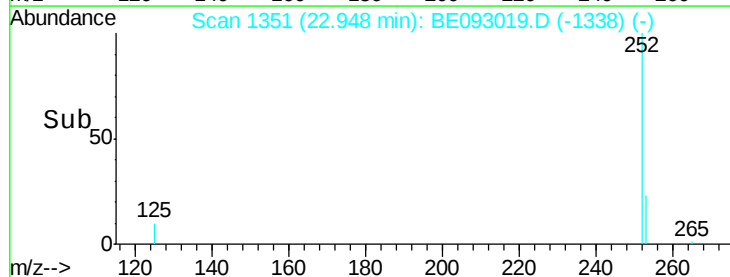
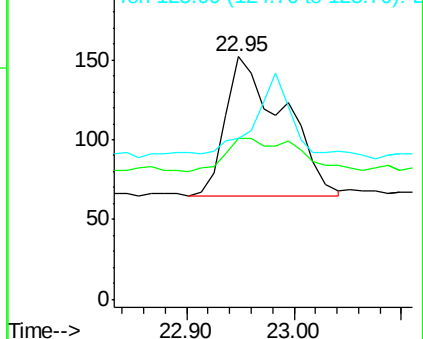
252 100

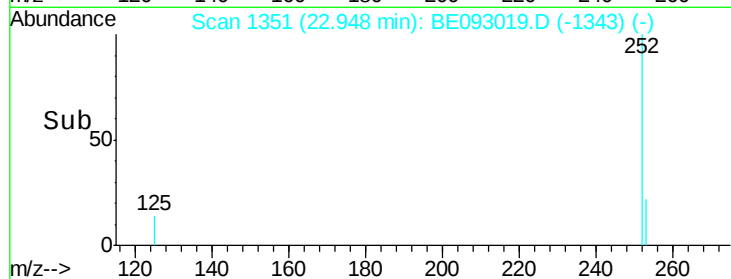
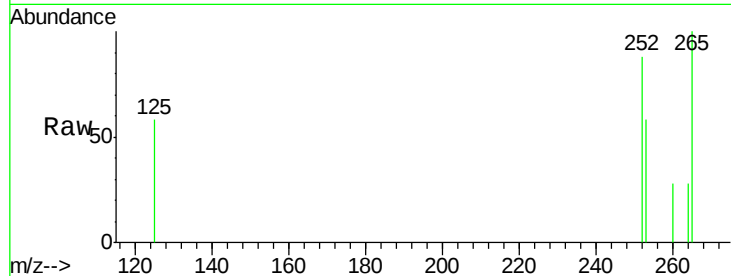
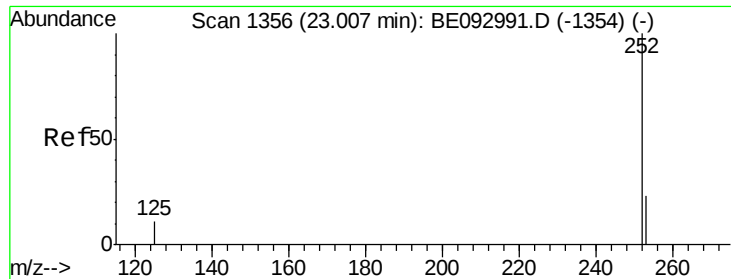
253 66.4 18.5 27.7#

125 66.4 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





#36

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.95 min Scan# 1351

Delta R.T. -0.06 min

Lab File: BE093019.D

Acq: 12 May 2017 15:49

Instrument :

BNA_E

ClientSampleId :

LF017MW004-170508DL

Tgt Ion: 252 Resp: 332

Ion Ratio Lower Upper

252 100

253 66.4 20.3 30.5#

125 66.4 12.2 18.4#

