

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093015.D
 Acq On : 12 May 2017 13:20
 Operator : SJ/MA
 Sample : I3079-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF016MW001-170509

Quant Time: May 12 17:23:13 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	944	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3961	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1986	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5826	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5823	0.40	ng	0.00
34) Perylene-d12	23.69	264	5056	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	486	0.19	ng	0.00
5) Phenol-d6	6.92	99	411	0.13	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1164	0.38	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1868	0.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	286	0.53	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	4124	0.52	ng	0.00
25) Fluoranthene-d10	19.14	212	5104	0.33	ng	-0.02
29) Terphenyl-d14	19.74	244	6723	0.65	ng	0.00

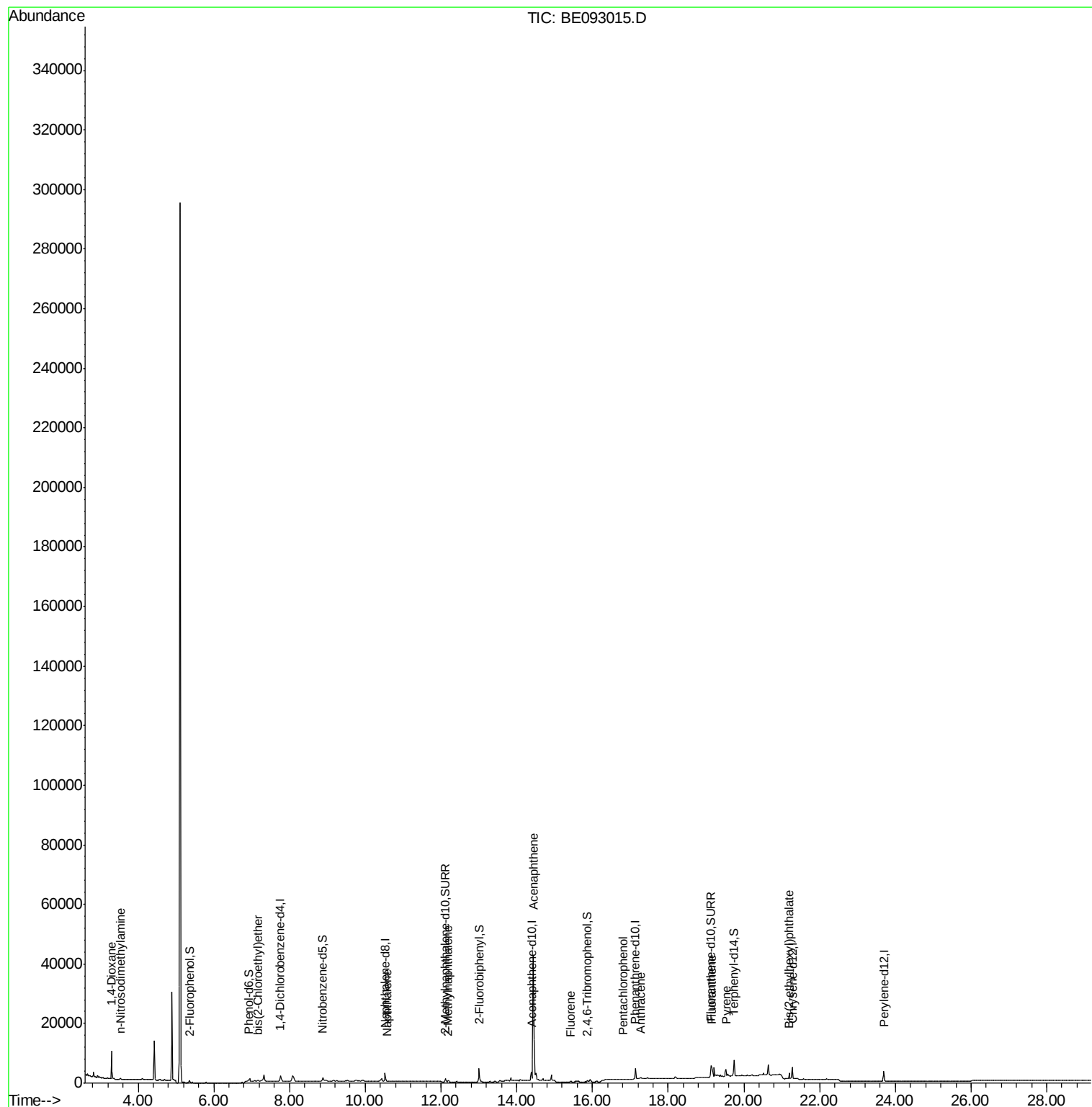
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	5418	2.86	ng	# 93
3) n-Nitrosodimethylamine	3.54	42	91	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.18	93	433	0.14	ng	# 97
9) Naphthalene	10.58	128	331	0.03	ng	# 49
12) 2-Methylnaphthalene	12.19	142	312	0.05	ng	# 87
17) Acenaphthene	14.44	154	8286	1.35	ng	# 96
18) Fluorene	15.43	166	245	0.03	ng	# 63
21) Hexachlorobenzene	16.38	284	2	Below Cal		# 100
22) Pentachlorophenol	16.82	266	12	0.09	ng	# 82
24) Anthracene	17.28	178	1233	0.10	ng	# 77
26) Fluoranthene	19.16	202	3682	0.05	ng	# 59
28) Pyrene	19.53	202	3990	0.05	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.20	149	2031	0.39	ng	# 99

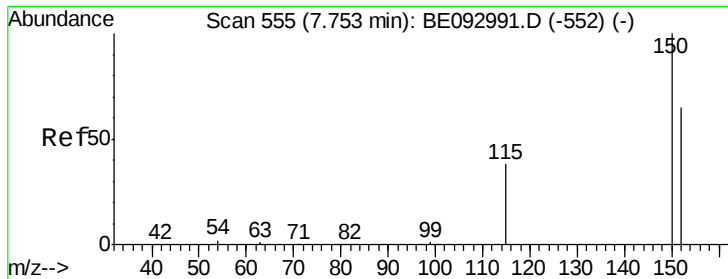
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
Data File : BE093015.D
Acq On : 12 May 2017 13:20
Operator : SJ/MA
Sample : I3079-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LF016MW001-170509

Quant Time: May 12 17:23:13 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



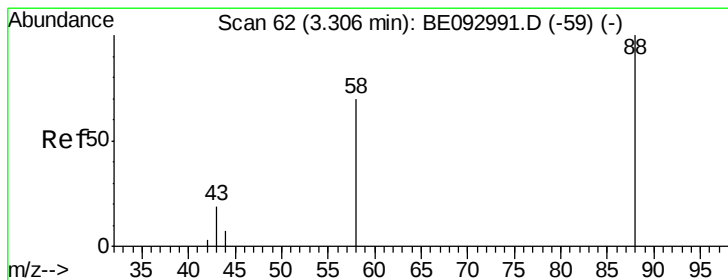
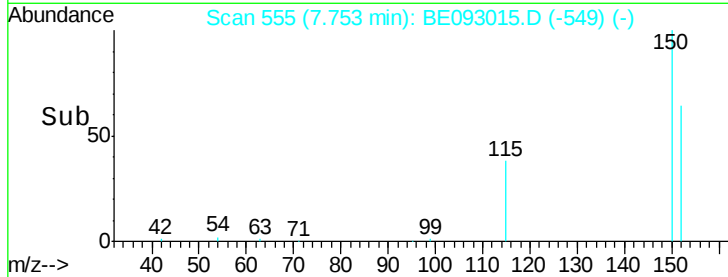
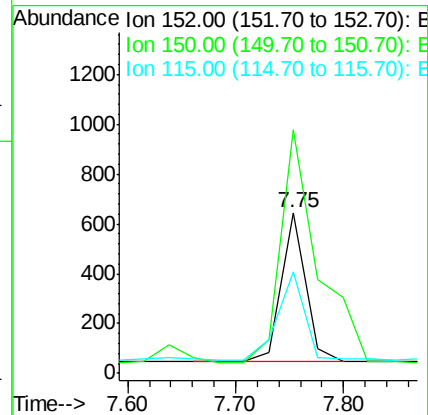
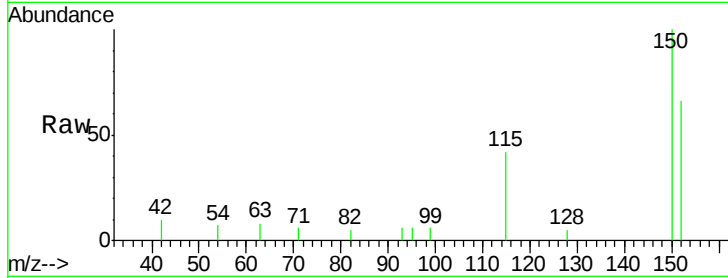


#1

1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. -0.02 min
Lab File: BE093015.D
Acq: 12 May 2017 13:20

Instrument :
BNA_E
ClientSampleId :
LF016MW001-170509

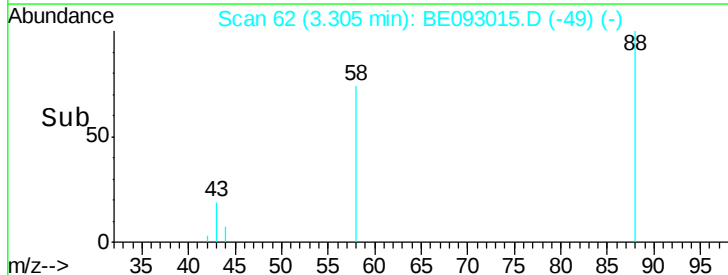
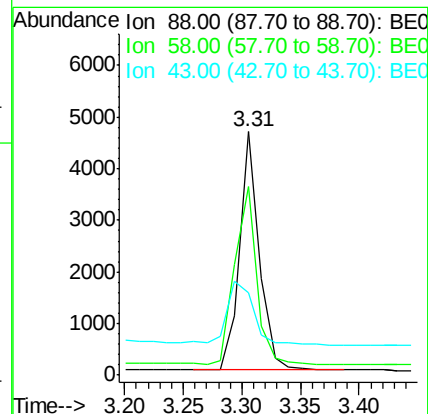
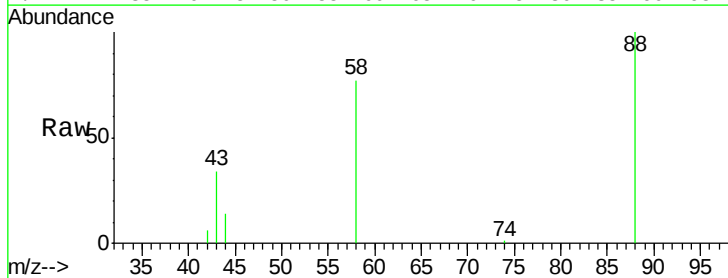
Tgt Ion:152 Resp: 944
Ion Ratio Lower Upper
152 100
150 151.5 125.1 187.7
115 63.1 55.7 83.5

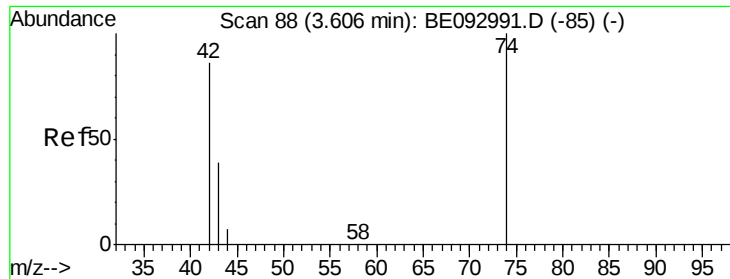


#2

1,4-Dioxane
Concen: 2.86 ng
RT: 3.31 min Scan# 62
Delta R.T. -0.00 min
Lab File: BE093015.D
Acq: 12 May 2017 13:20

Tgt Ion: 88 Resp: 5418
Ion Ratio Lower Upper
88 100
58 81.5 62.2 93.4
43 36.7 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.54 min Scan# 82

Delta R.T. -0.07 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

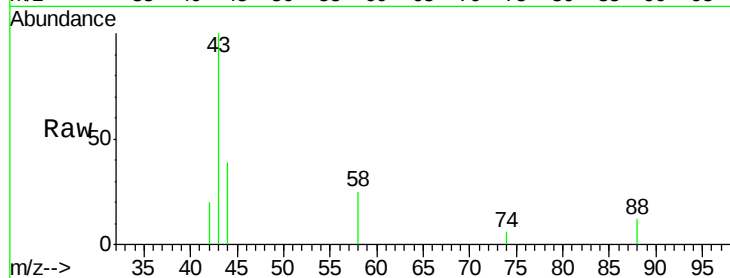
Tgt Ion: 42 Resp: 91

Ion Ratio Lower Upper

42 100

74 1.1 99.1 148.7#

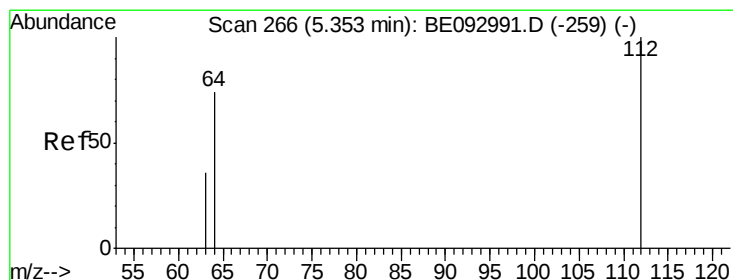
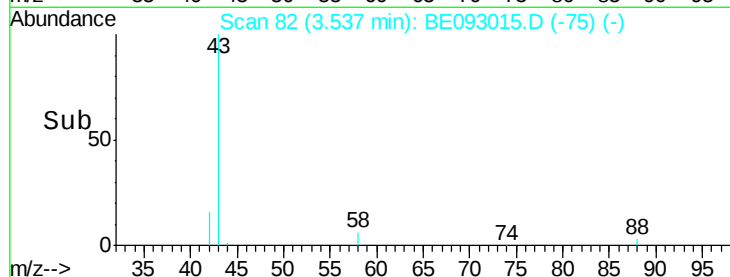
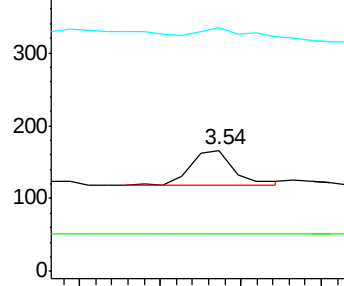
44 105.5 7.4 11.2#



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: 0.19 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

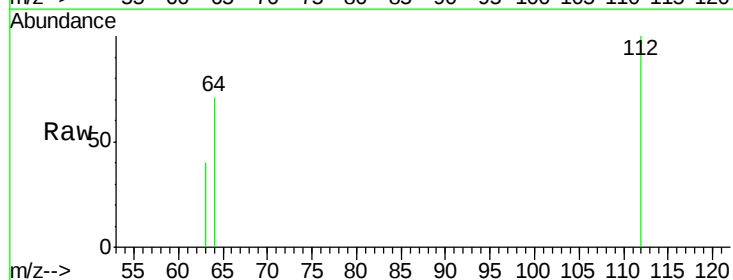
Tgt Ion: 112 Resp: 486

Ion Ratio Lower Upper

112 100

64 71.4 56.4 84.6

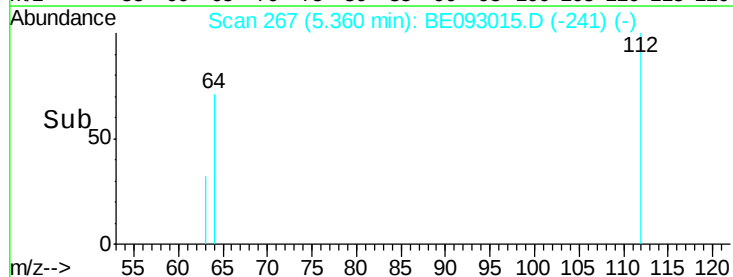
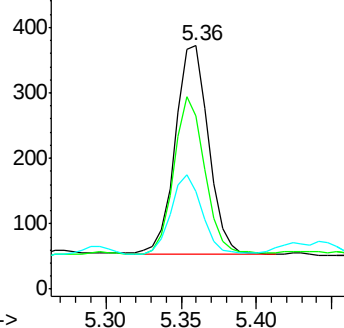
63 36.2 29.3 43.9

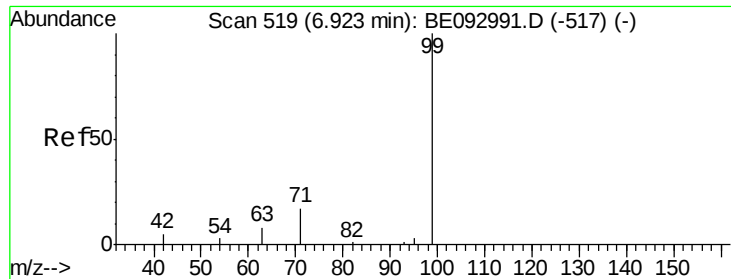


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.13 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

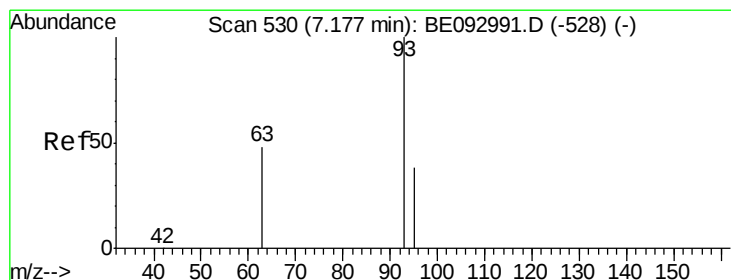
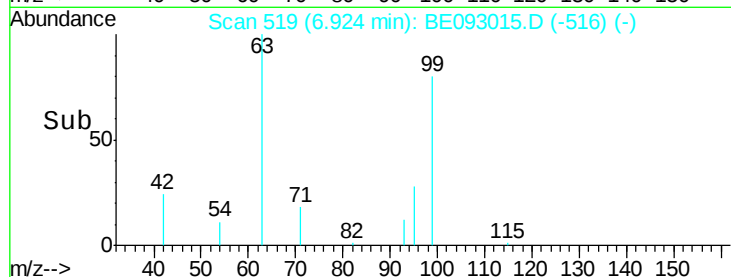
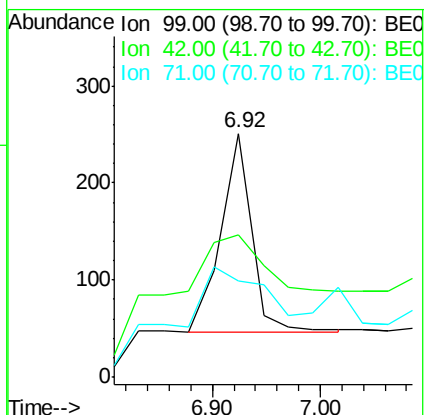
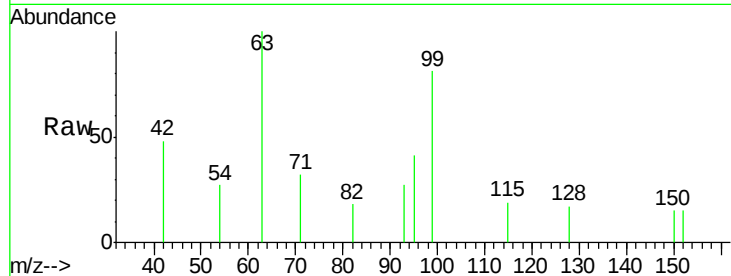
Tgt Ion: 99 Resp: 411

Ion Ratio Lower Upper

99 100

42 48.2 0.0 0.0#

71 0.0 0.0 0.0



#6

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

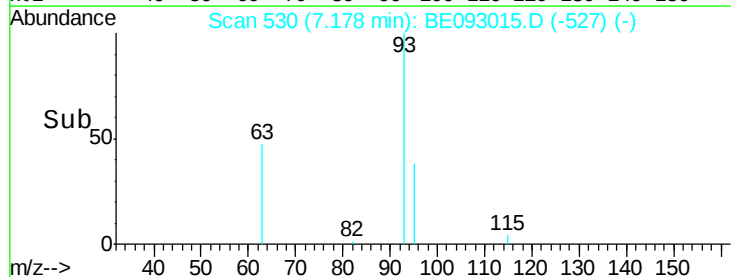
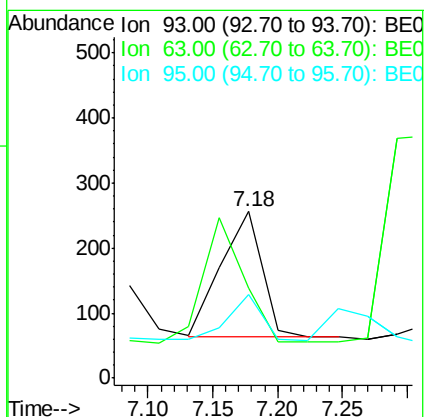
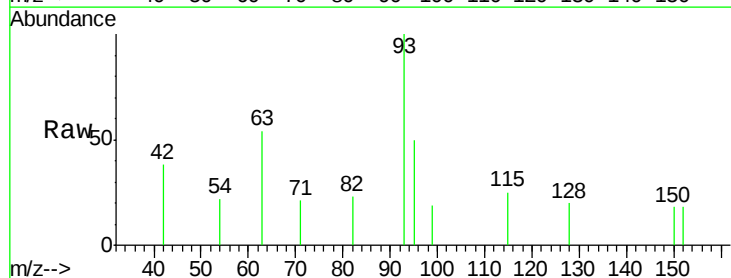
Tgt Ion: 93 Resp: 433

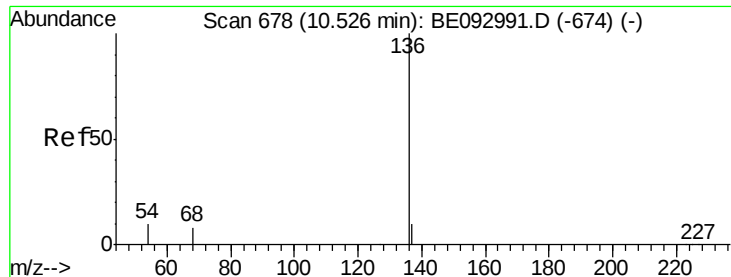
Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 30.0 25.4 38.0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

Tgt Ion: 136 Resp: 3961

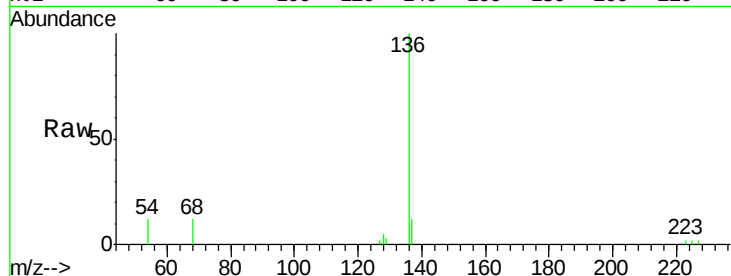
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 12.2 10.3 15.5

68 11.6 9.0 13.4

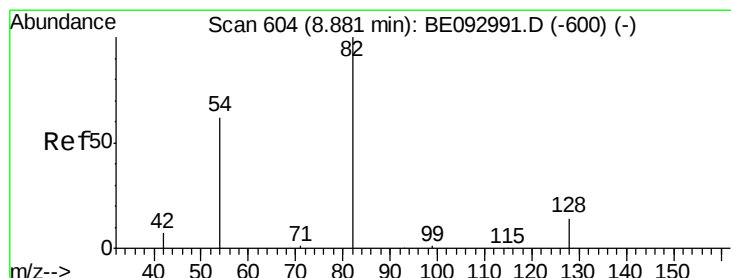
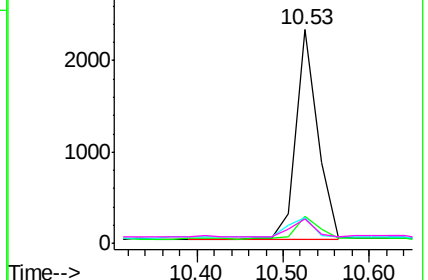
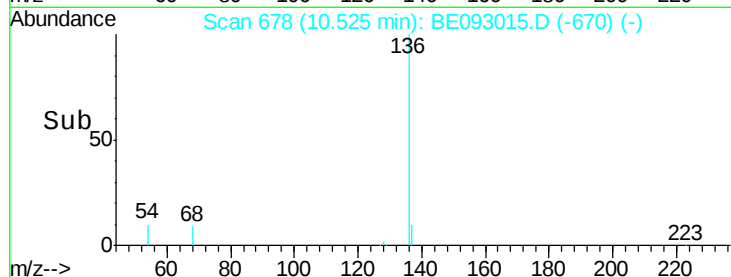


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

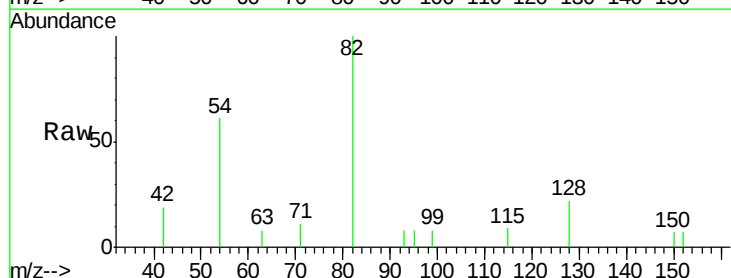
Tgt Ion: 82 Resp: 1164

Ion Ratio Lower Upper

82 100

128 21.6 17.0 25.4

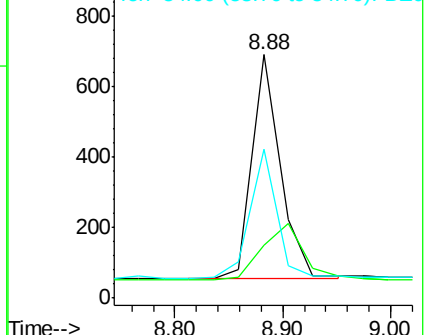
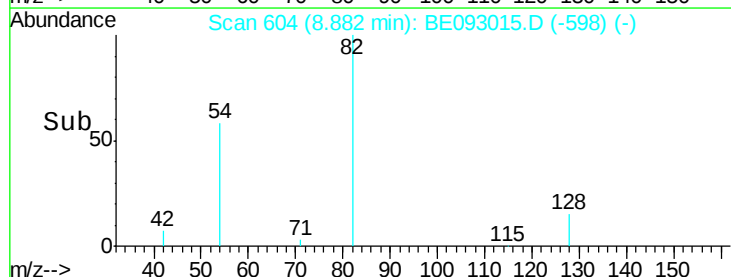
54 61.3 53.8 80.6

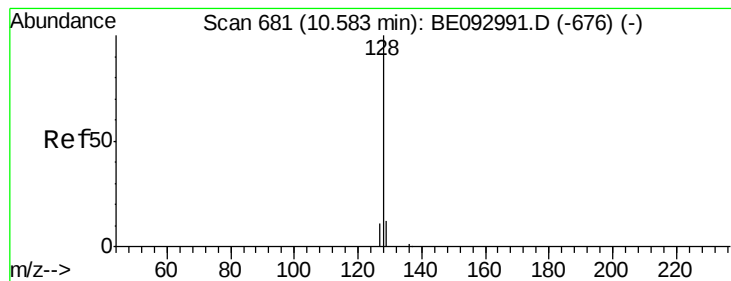


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.03 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

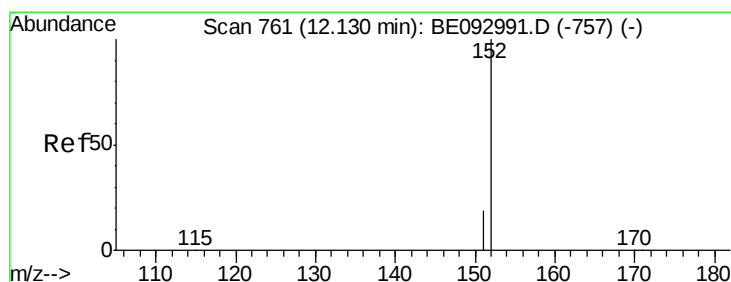
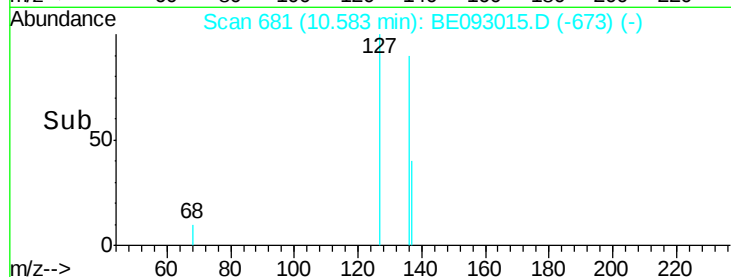
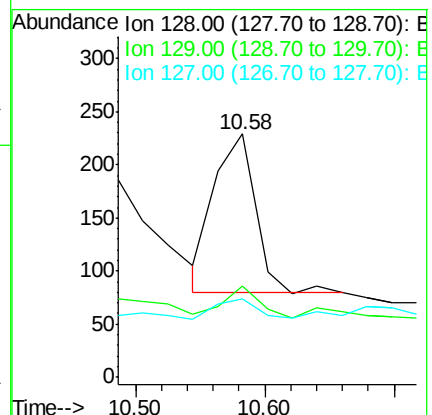
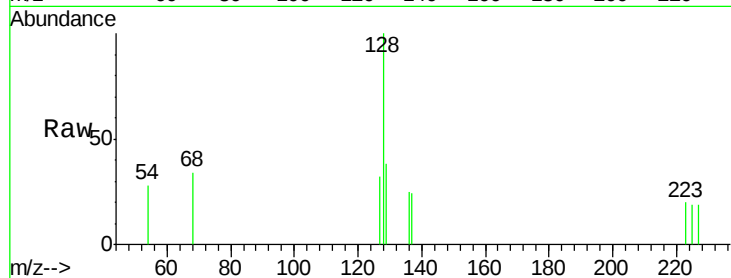
Tgt Ion:128 Resp: 331

Ion Ratio Lower Upper

128 100

129 37.6 11.4 17.0#

127 32.3 11.2 16.8#



#11

2-Methylnaphthalene-d10

Concen: 0.33 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093015.D

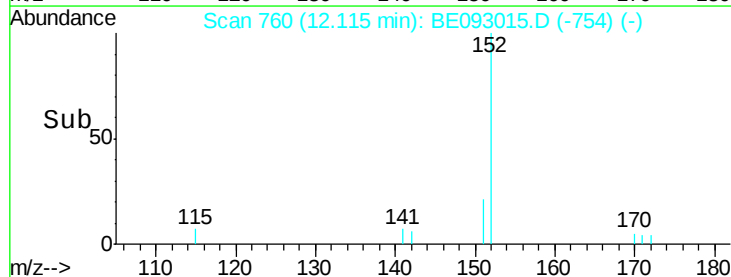
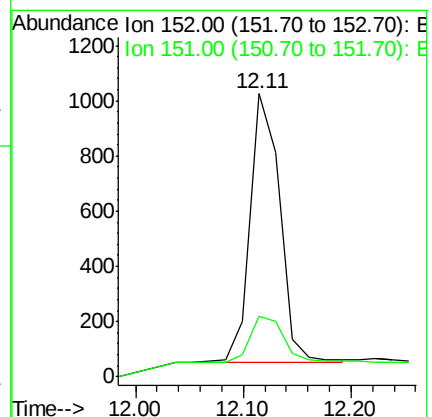
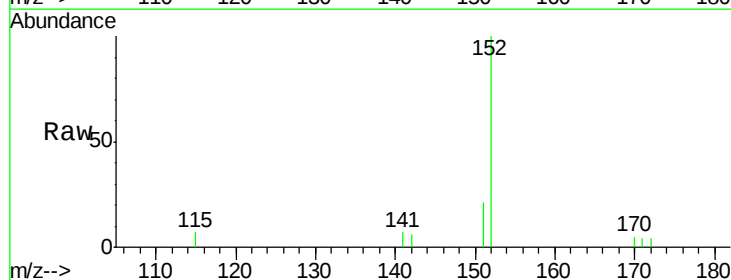
Acq: 12 May 2017 13:20

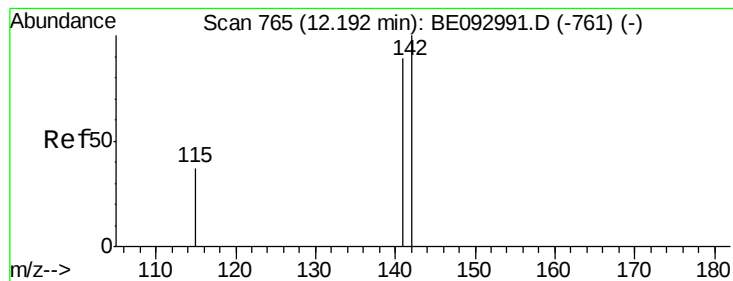
Tgt Ion:152 Resp: 1868

Ion Ratio Lower Upper

152 100

151 19.6 15.1 22.7





#12

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

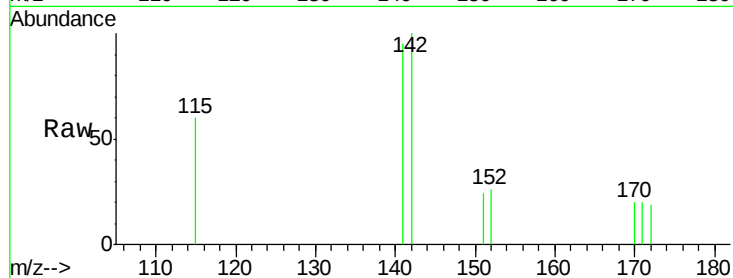
Tgt Ion:142 Resp: 312

Ion Ratio Lower Upper

142 100

141 94.8 72.6 108.8

115 60.1 32.2 48.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.19

250

200

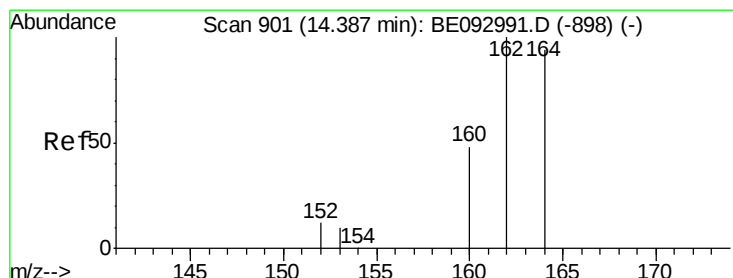
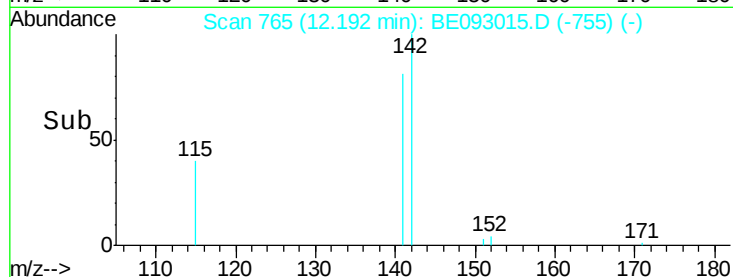
150

100

50

0

Time-->



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

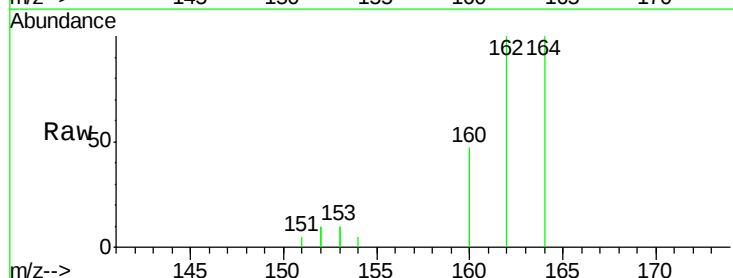
Tgt Ion:164 Resp: 1986

Ion Ratio Lower Upper

164 100

162 100.1 84.6 127.0

160 46.8 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

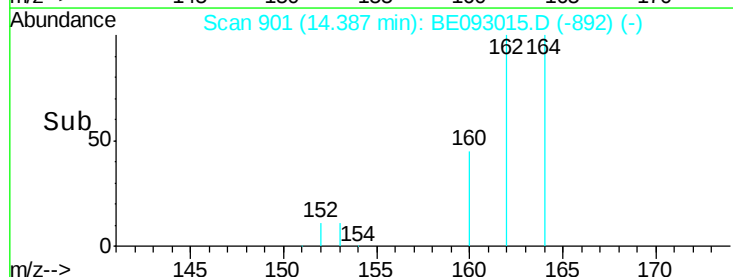
1500

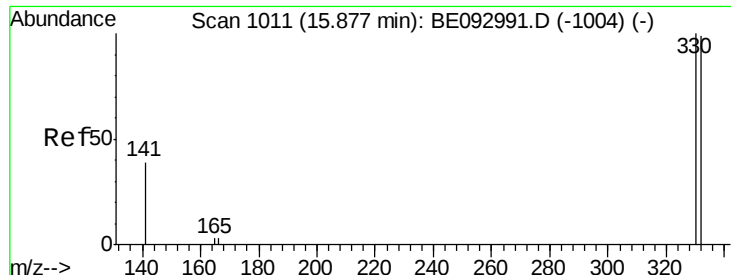
1000

500

0

Time-->

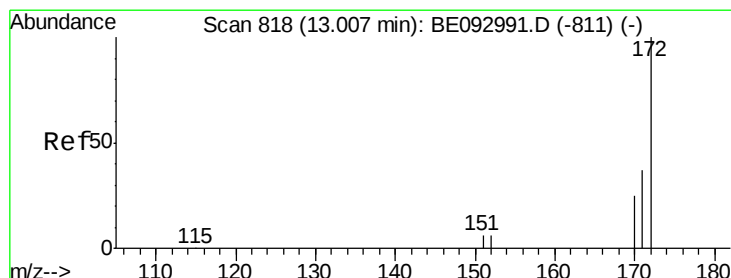
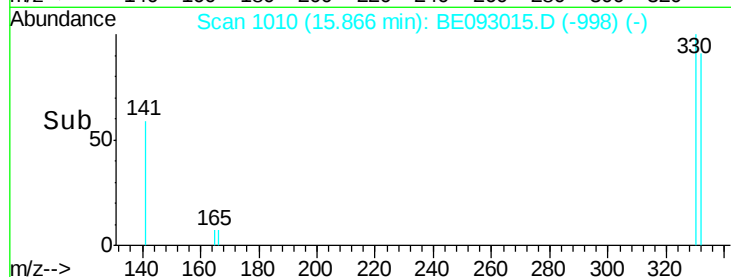
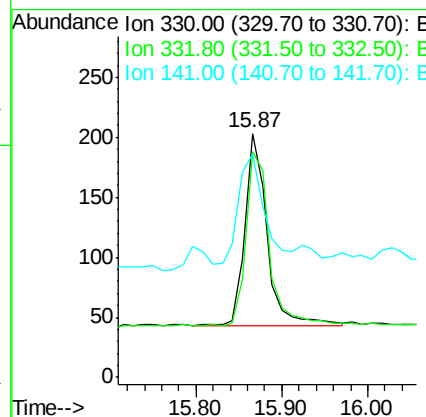
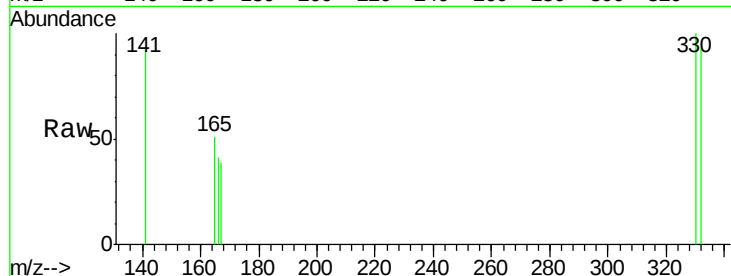




#14
 2,4,6-Tribromophenol
 Concen: 0.53 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093015.D
 Acq: 12 May 2017 13:20

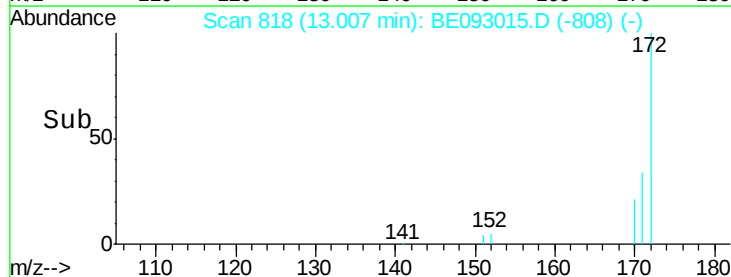
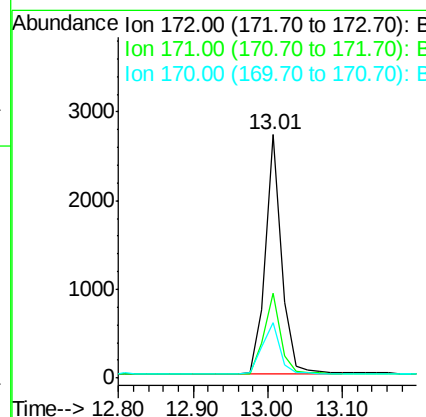
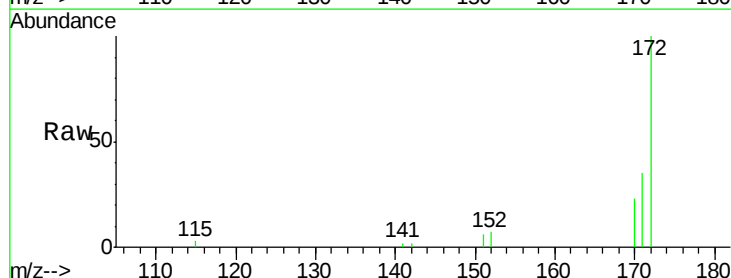
Instrument :
 BNA_E
 ClientSampleId :
 LF016MW001-170509

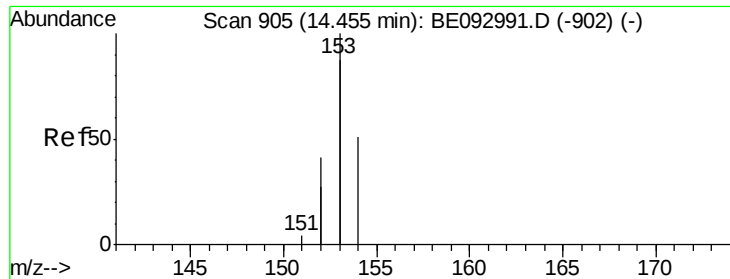
Tgt Ion: 330 Resp: 286
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.7 116.5
 141 67.8 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.52 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093015.D
 Acq: 12 May 2017 13:20

Tgt Ion: 172 Resp: 4124
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.8 44.6
 170 22.6 20.7 31.1





#17

Acenaphthene

Concen: 1.35 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

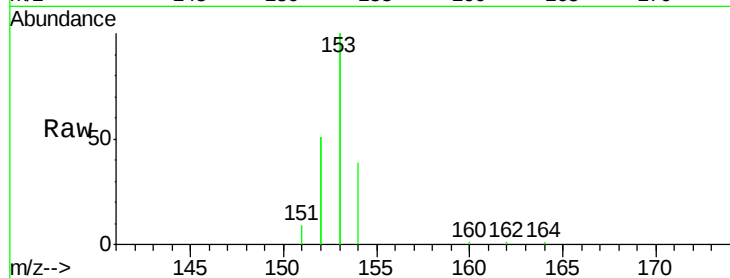
Tgt Ion:154 Resp: 8286

Ion Ratio Lower Upper

154 100

153 469.7 367.8 551.6

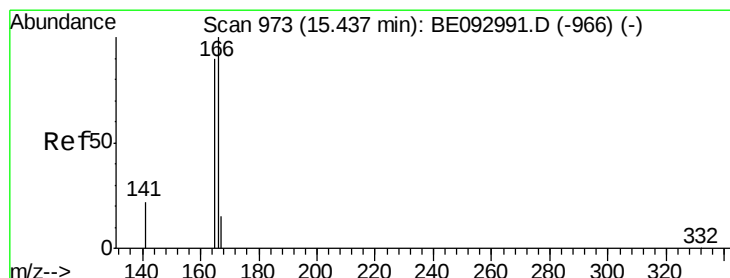
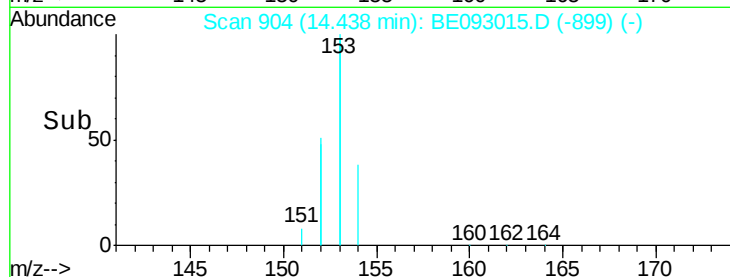
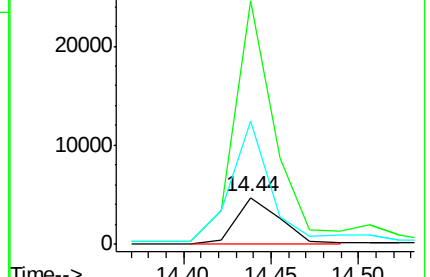
152 226.4 188.2 282.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.03 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

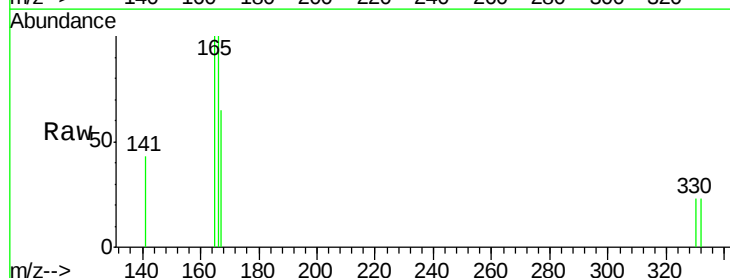
Tgt Ion:166 Resp: 245

Ion Ratio Lower Upper

166 100

165 71.0 78.6 117.8#

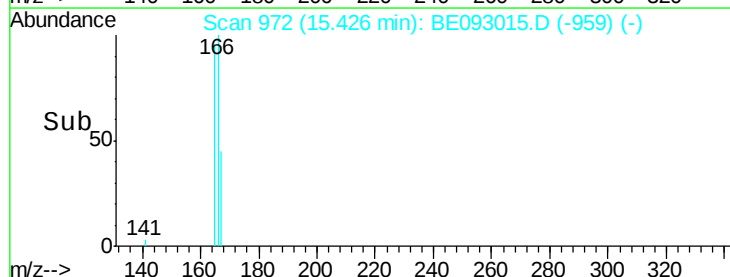
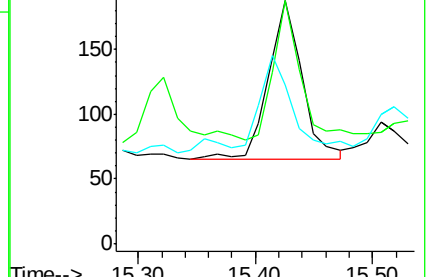
167 55.1 11.1 16.7#

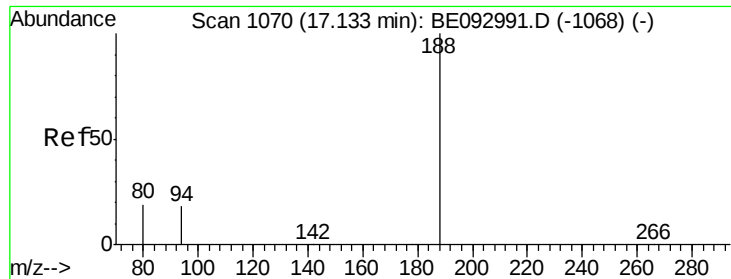


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

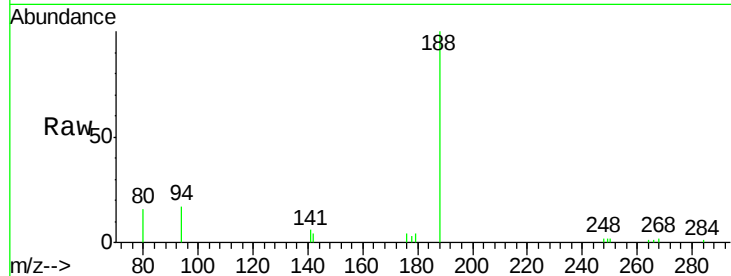
Tgt Ion:188 Resp: 5826

Ion Ratio Lower Upper

188 100

94 16.6 11.3 16.9

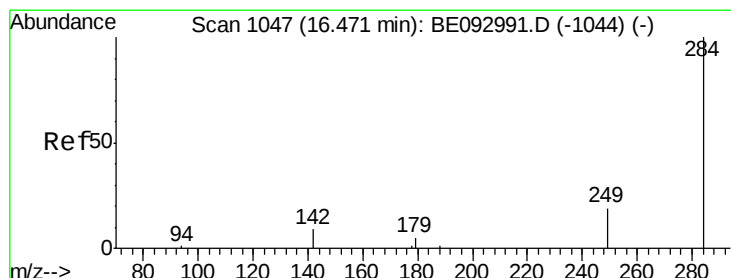
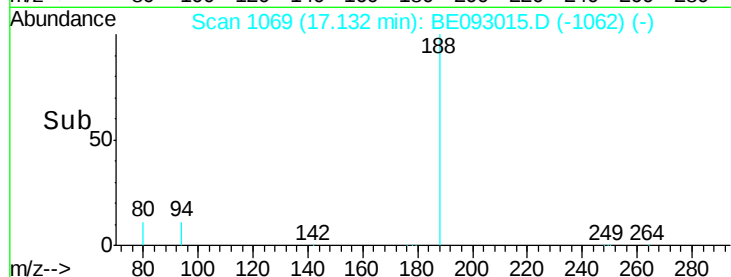
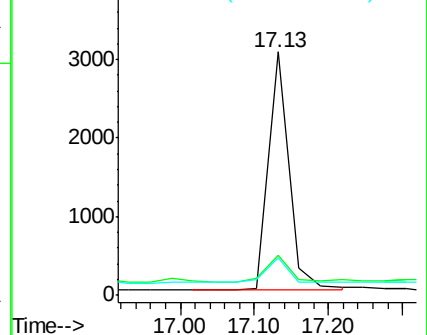
80 15.7 11.7 17.5



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: 16.38 min Scan# 1043

Delta R.T. -0.08 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

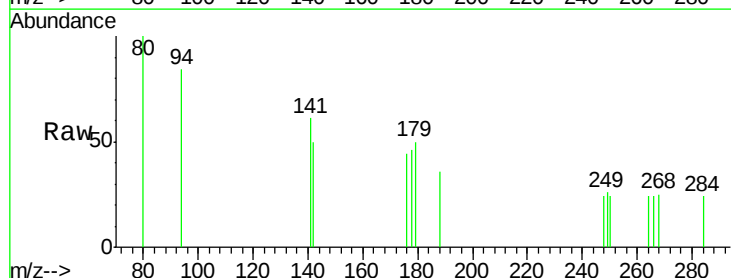
Tgt Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

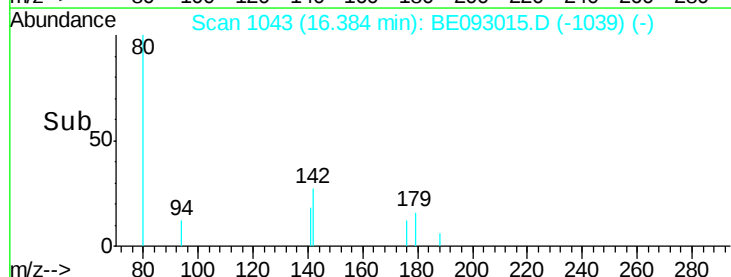
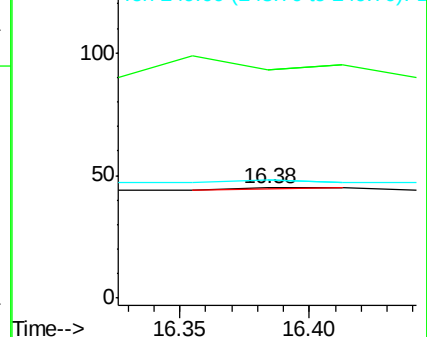
249 100.0 0.0 0.0#

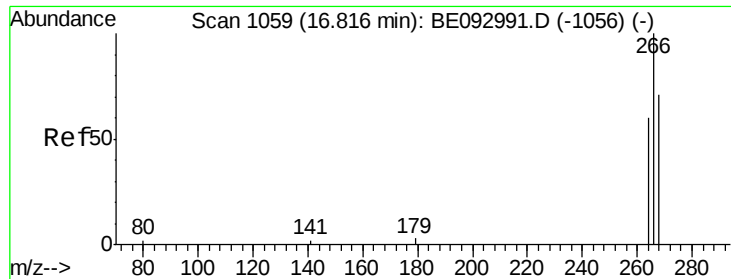


Abundance Ion 283.80 (283.50 to 284.50): E

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: 16.82 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

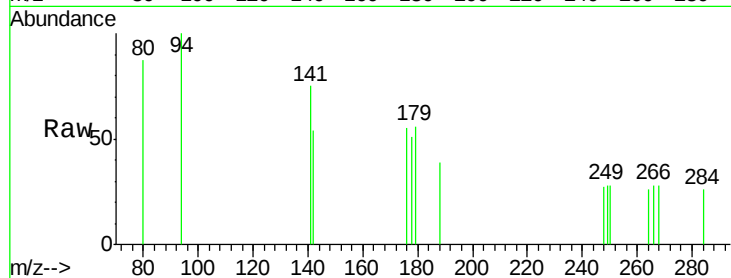
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 95.8 58.2 87.2#

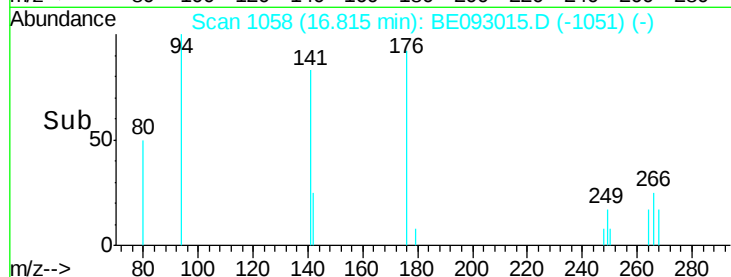
268 100.0 71.9 107.9



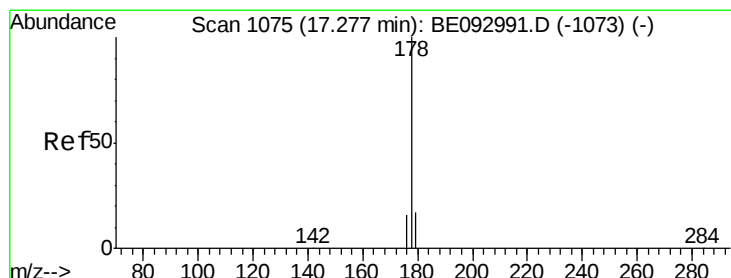
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->



#24

Anthracene

Concen: 0.10 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

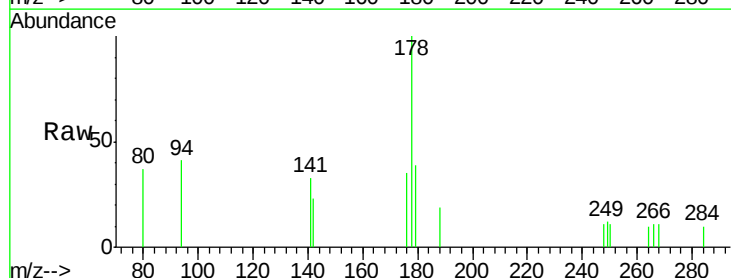
Tgt Ion:178 Resp: 1233

Ion Ratio Lower Upper

178 100

176 12.5 14.6 22.0#

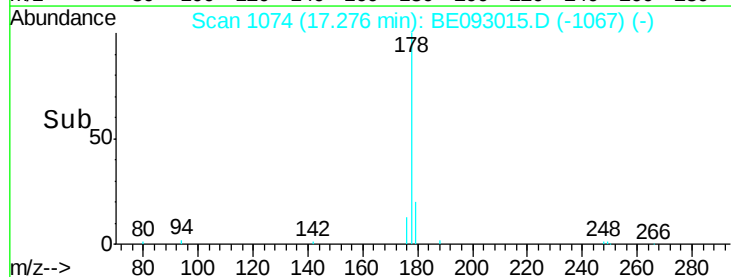
179 0.0 12.0 18.0#



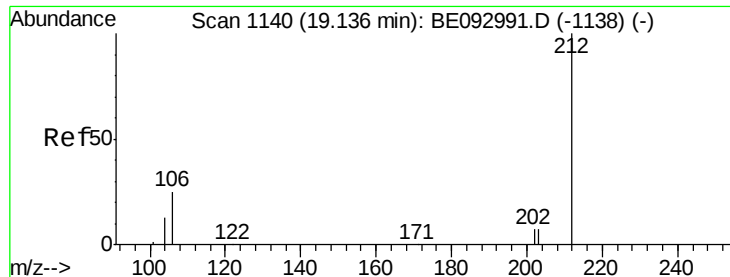
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.33 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

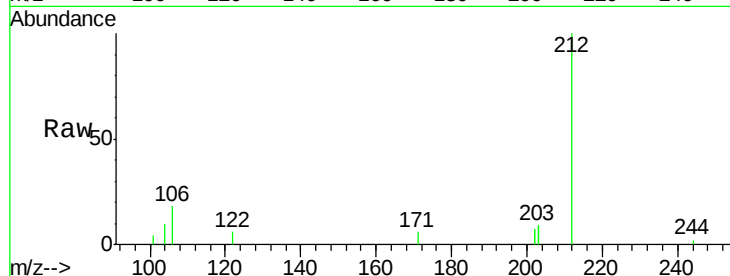
Tgt Ion:212 Resp: 5104

Ion Ratio Lower Upper

212 100

106 16.6 0.0 0.0#

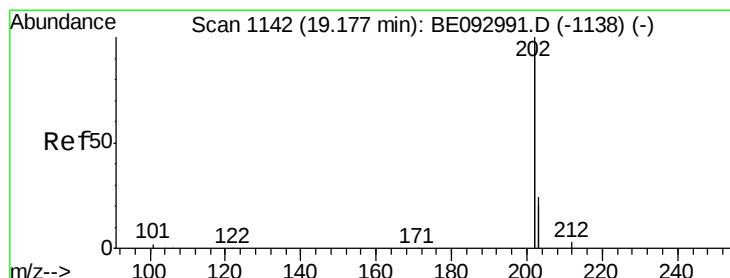
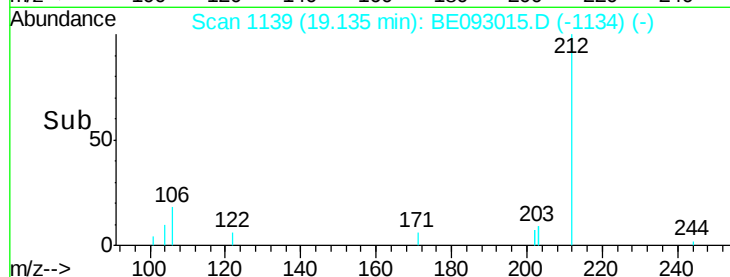
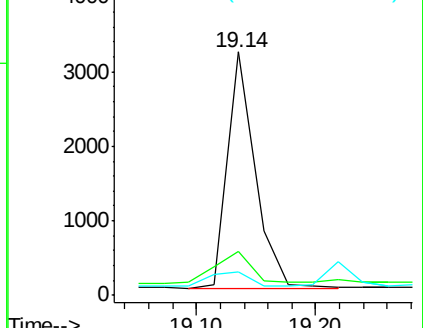
104 9.0 0.0 0.0#



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: 0.05 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

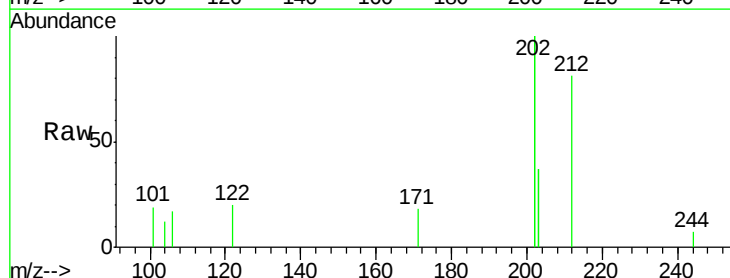
Tgt Ion:202 Resp: 3682

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

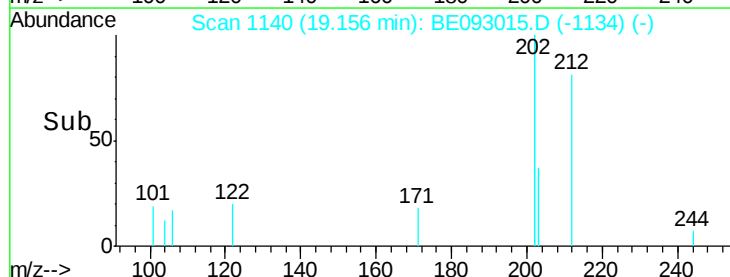
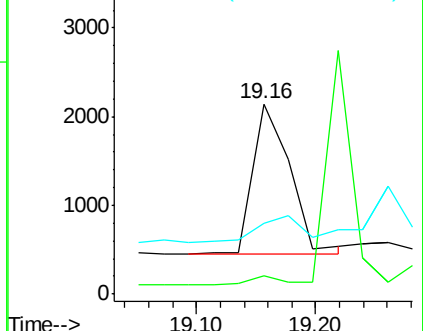
203 0.0 14.4 21.6#

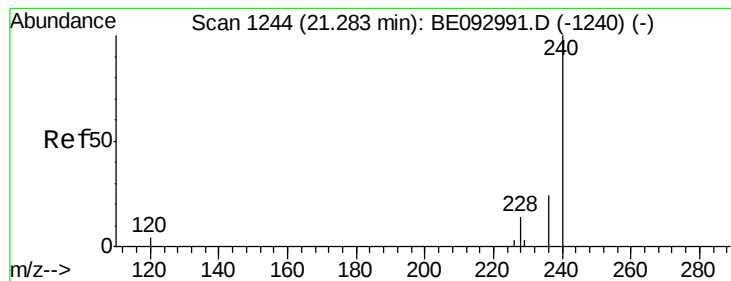


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

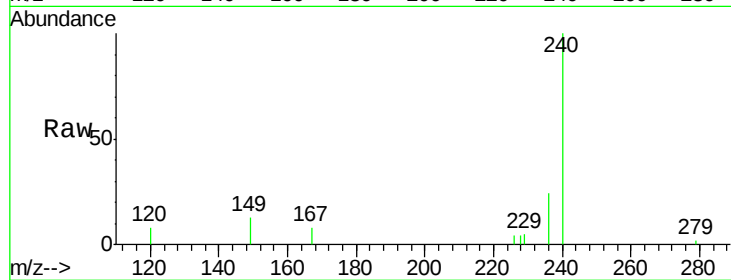
Tgt Ion:240 Resp: 5823

Ion Ratio Lower Upper

240 100

120 7.9 4.6 7.0#

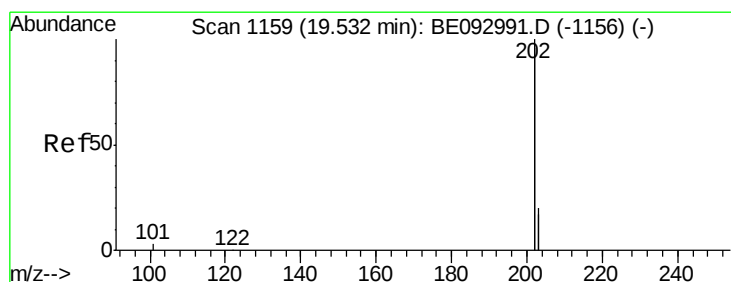
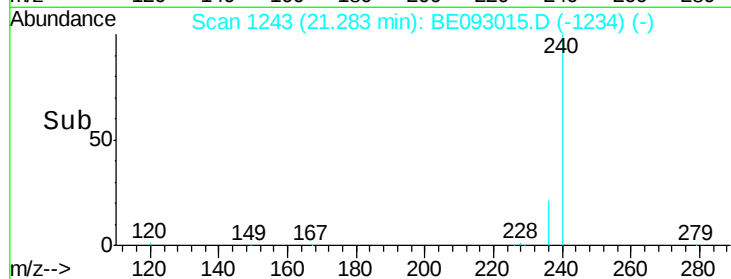
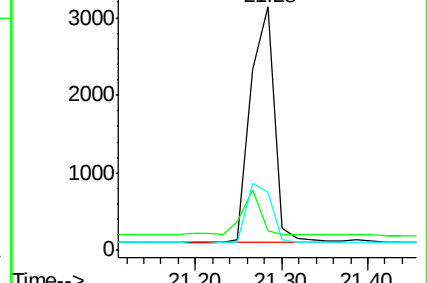
236 23.8 20.8 31.2



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: 0.05 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

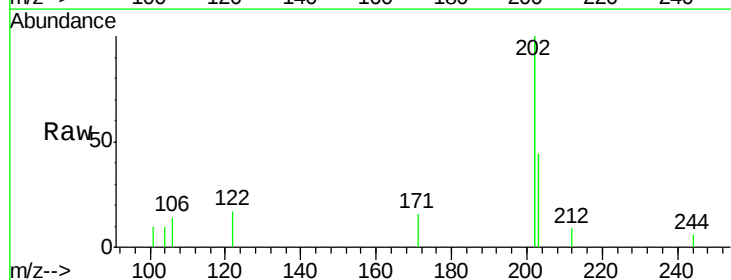
Tgt Ion:202 Resp: 3990

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

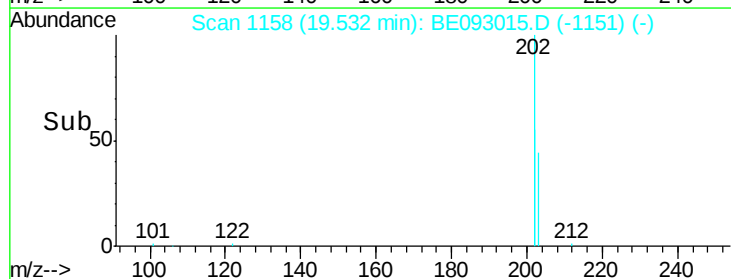
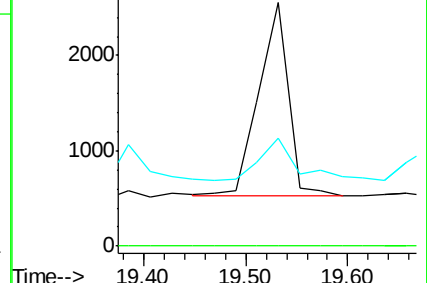
203 26.5 13.7 20.5#

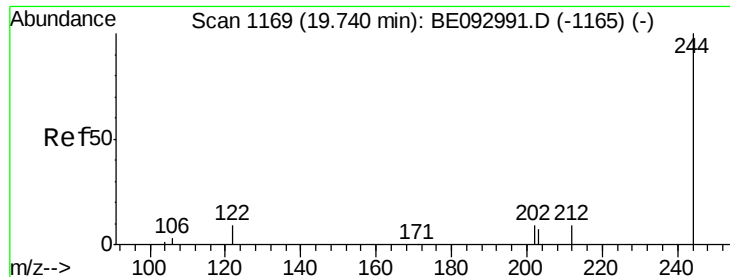


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.65 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509

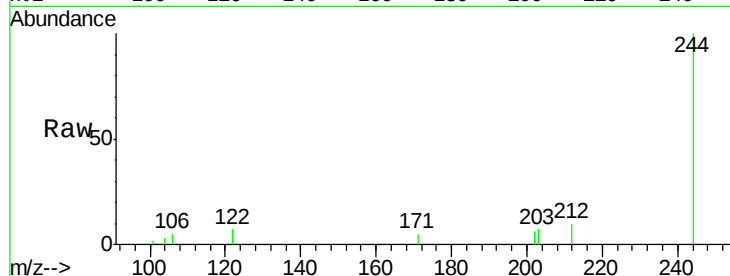
Tgt Ion:244 Resp: 6723

Ion Ratio Lower Upper

244 100

212 9.7 10.6 16.0#

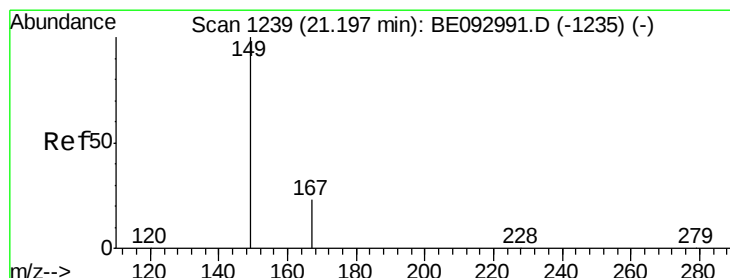
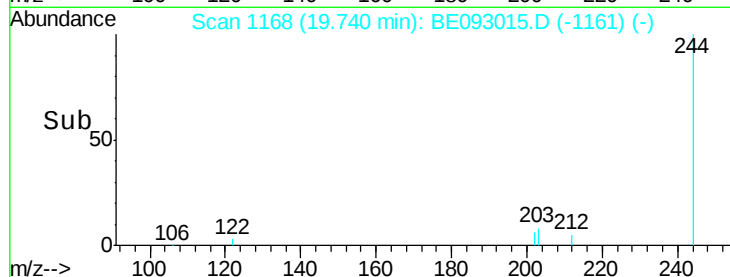
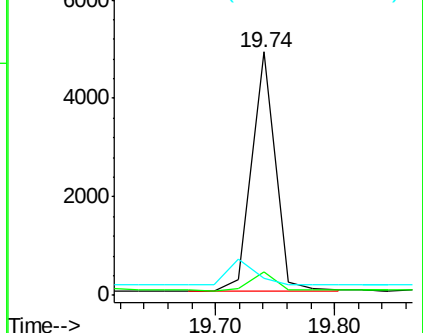
122 7.1 15.4 23.0#



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: 0.39 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093015.D

Acq: 12 May 2017 13:20

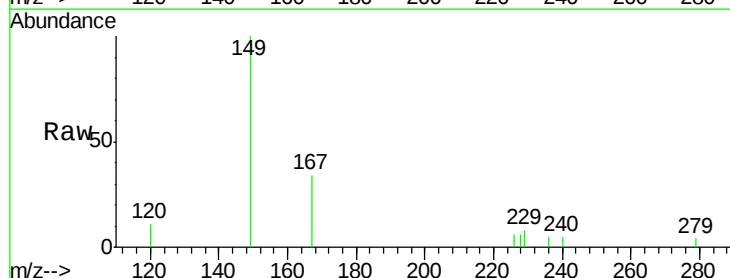
Tgt Ion:149 Resp: 2031

Ion Ratio Lower Upper

149 100

167 24.4 20.1 30.1

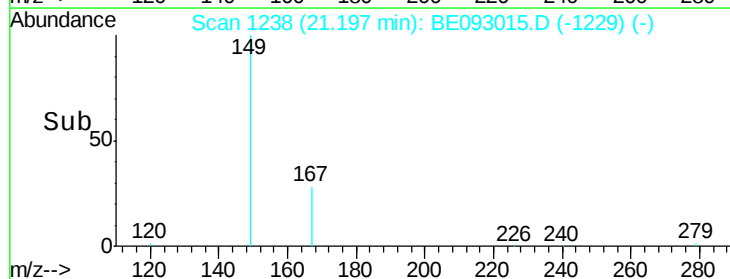
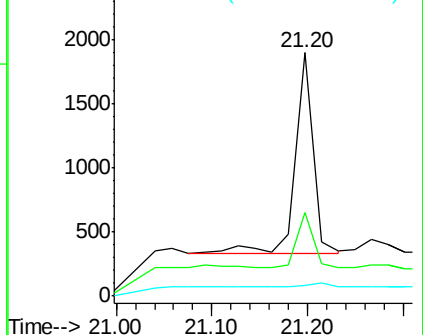
279 2.2 2.2 3.4#

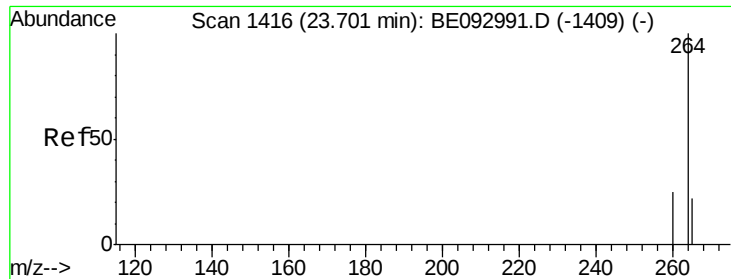


Abundance Ion 149.00 (148.70 to 149.70): E

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# 1414

Delta R.T. -0.01 min

Lab File: BE093015.D

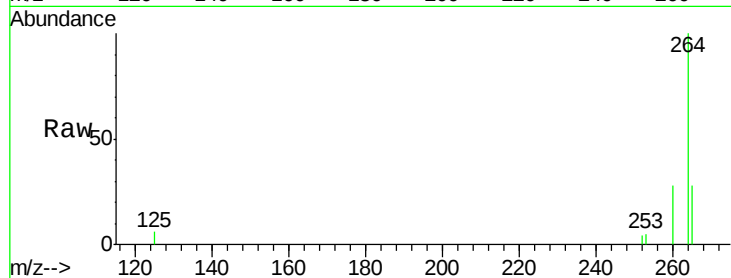
Acq: 12 May 2017 13:20

Instrument :

BNA_E

ClientSampleId :

LF016MW001-170509



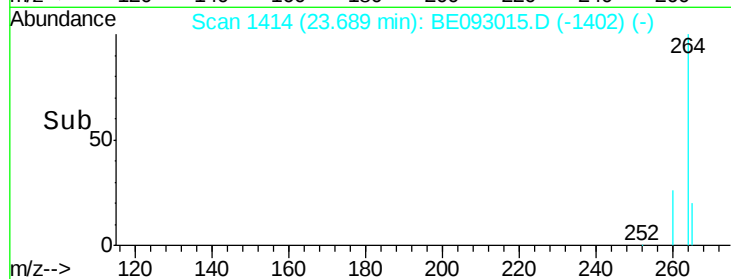
Tgt Ion: 264 Resp: 5056

Ion Ratio Lower Upper

264 100

260 27.6 21.0 31.4

265 28.1 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

