

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE043018\
 Data File : BE096225.D
 Acq On : 30 Apr 2018 17:09
 Operator : SJ/JU
 Sample : J2463-10RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

Quant Time: May 01 02:28:57 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	801	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2835	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	8993	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3809	0.40	ng	0.00
27) Chrysene-d12	21.75	240	4049	0.40	ng	0.01
34) Perylene-d12	24.36	264	3854	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	558	0.23	ng	0.01
5) Phenol-d6	7.53	99	599	0.18	ng	0.02
8) Nitrobenzene-d5	9.54	82	2518	0.76	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1782	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.43	330	372	0.09	ng	0.01
15) 2-Fluorobiphenyl	13.59	172	2499	0.06	ng	0.01
25) Fluoranthene-d10	19.64	212	17804	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2595	0.29	ng	0.00

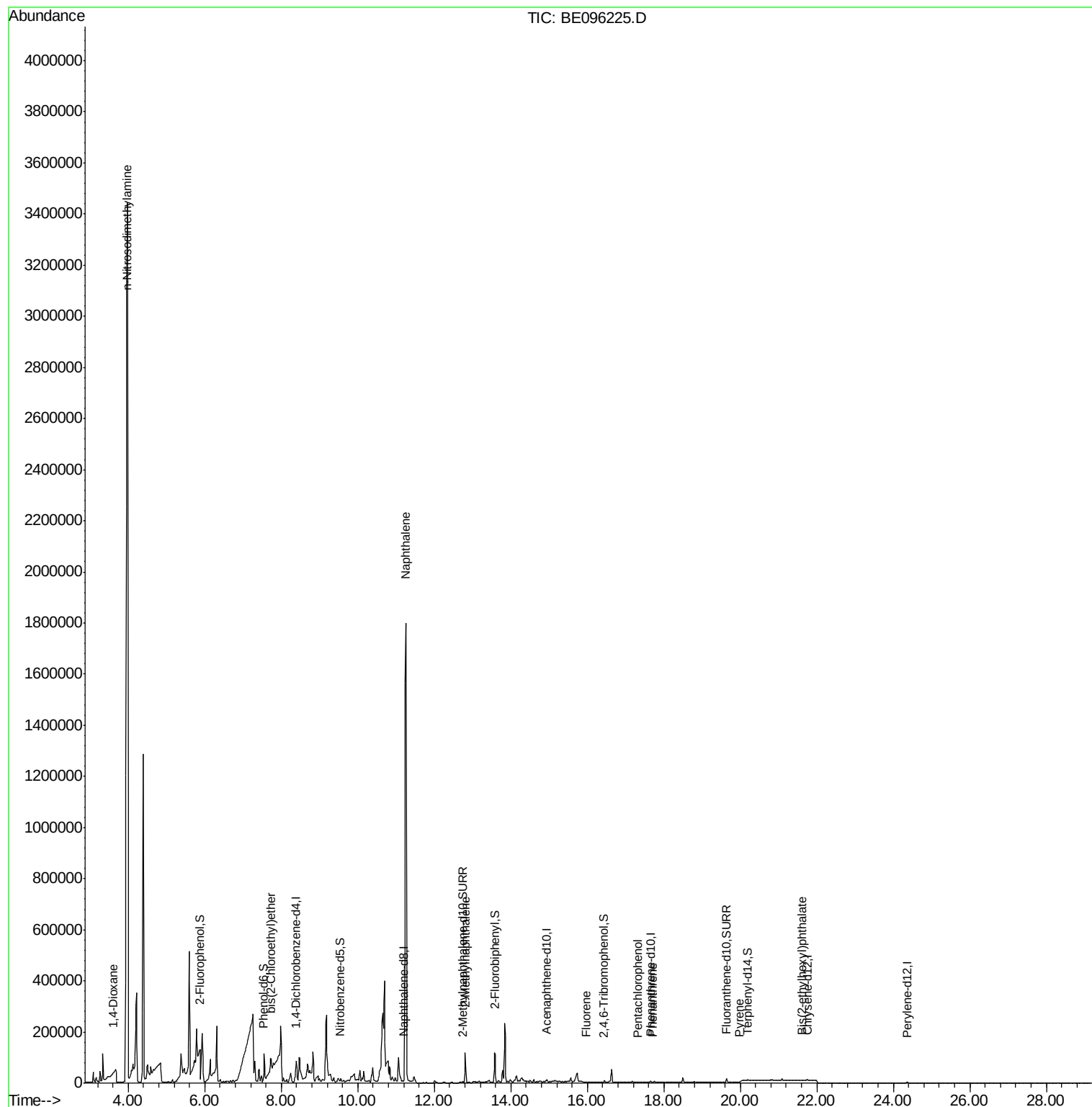
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	288	0.233	ng	# 1
3) n-Nitrosodimethylamine	3.99	42	633456	417.875	ng	# 1
6) bis(2-Chloroethyl)ether	7.73	93	1169	0.389	ng	# 1
9) Naphthalene	11.26	128	3165229	105.905	ng	99
12) 2-Methylnaphthalene	12.81	142	77383	15.643	ng	94
18) Fluorene	15.97	166	1660	0.046	ng	# 81
22) Pentachlorophenol	17.31	266	11	0.146	ng	# 86
23) Phenanthrene	17.70	178	792	0.074	ng	# 61
28) Pyrene	19.98	202	484	0.061	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.61	149	1722	0.051	ng	# 88

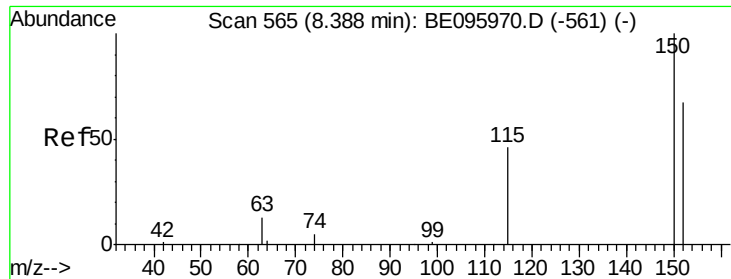
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.36 min Scan# 562

Delta R.T. 0.00 min

Lab File: BE096225.D

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Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

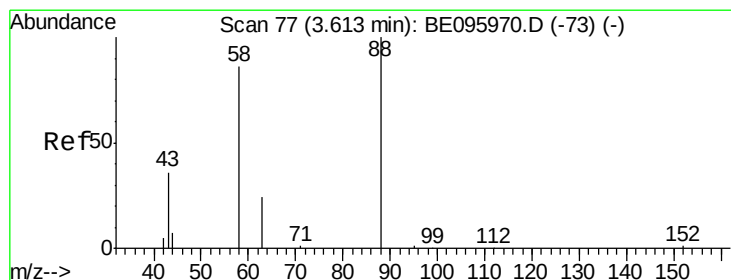
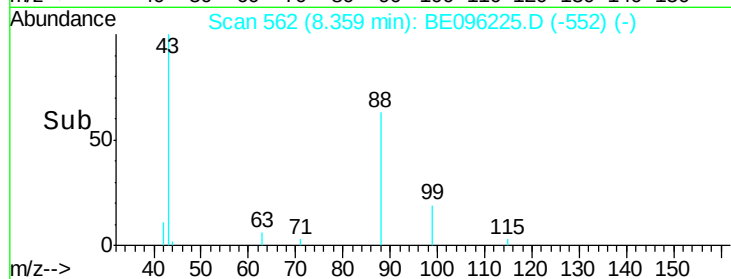
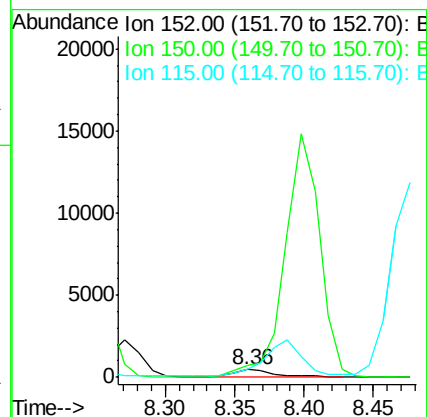
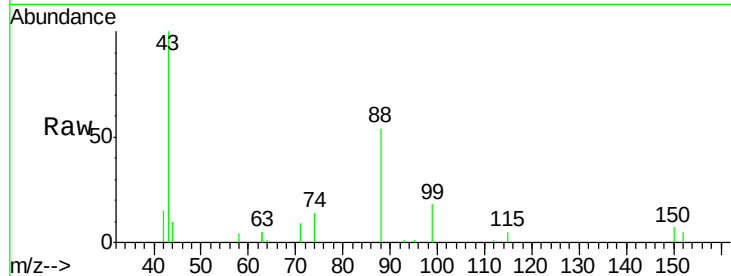
Tgt Ion:152 Resp: 801

Ion Ratio Lower Upper

152 100

150 145.4 117.2 175.8

115 103.5 57.0 85.6#



#2

1,4-Dioxane

Concen: 0.233 ng

RT: 3.60 min Scan# 76

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

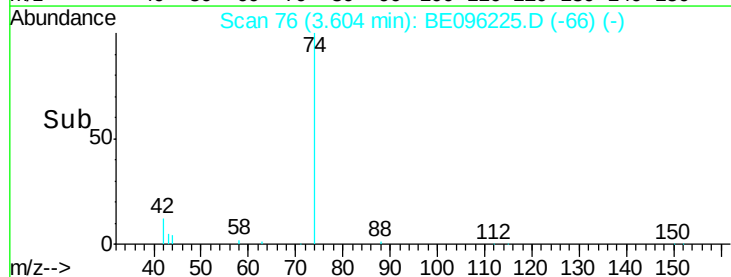
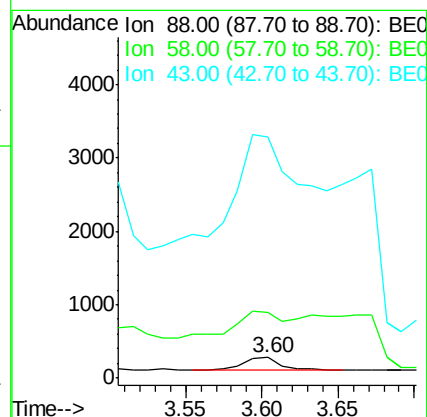
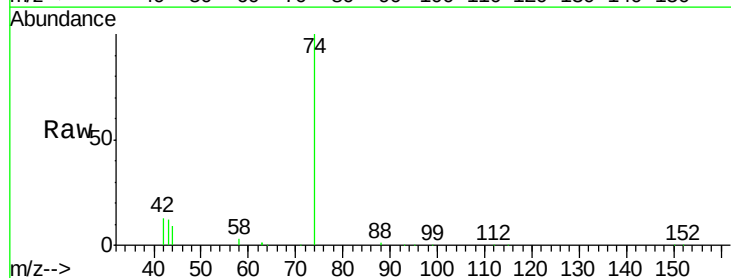
Tgt Ion: 88 Resp: 288

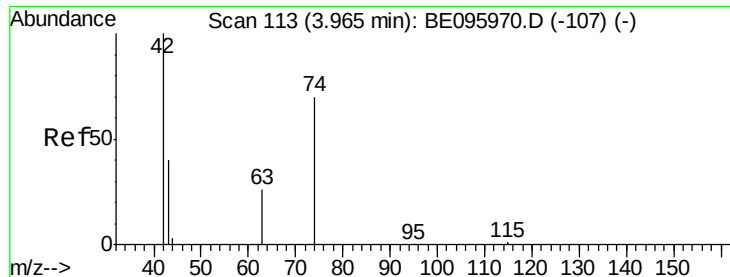
Ion Ratio Lower Upper

88 100

58 192.4 63.2 94.8#

43 1314.2 41.2 61.8#



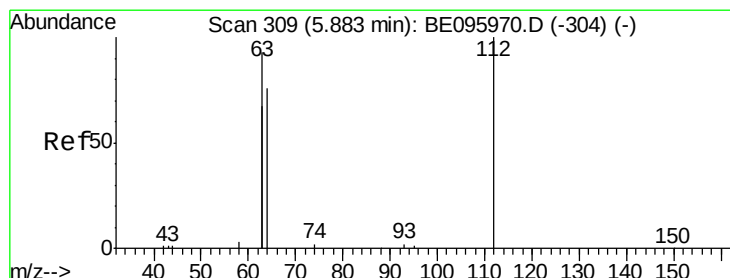
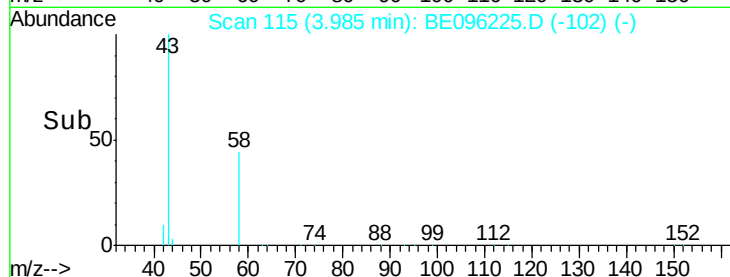
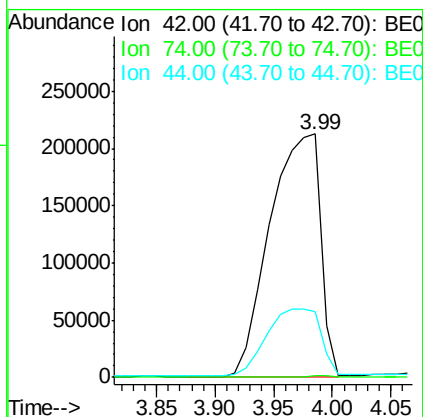
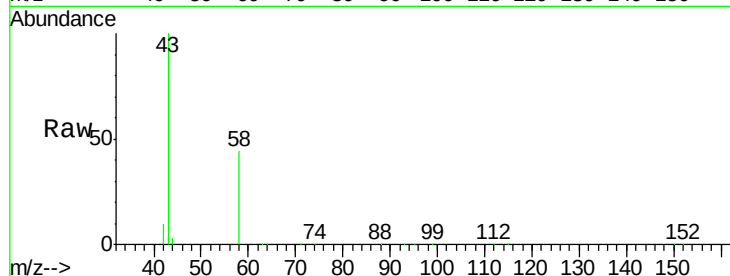


#3

n-Nitrosodimethylamine
 Concen: 417.875 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.03 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

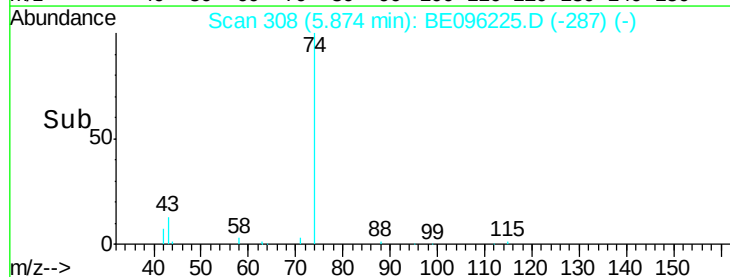
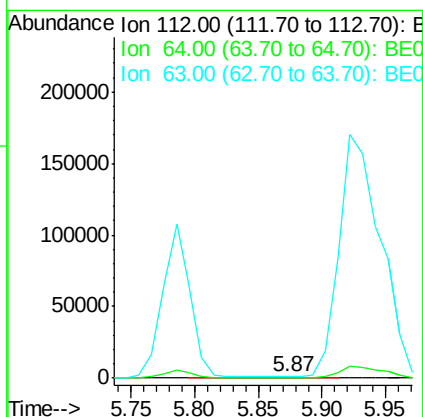
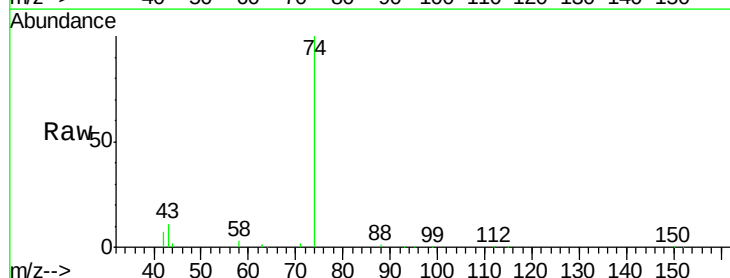
Tgt Ion: 42 Resp: 633456
 Ion Ratio Lower Upper
 42 100
 74 0.5 96.0 144.0#
 44 0.0 12.0 18.0#

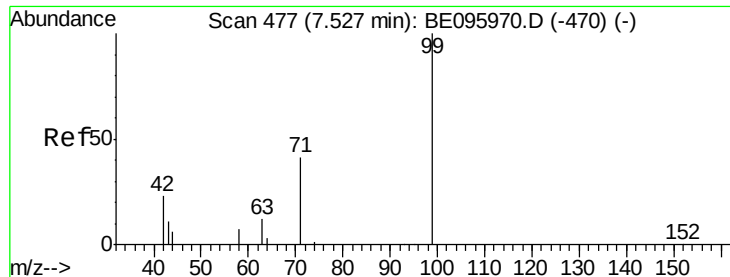


#4

2-Fluorophenol
 Concen: 0.225 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Tgt Ion: 112 Resp: 558
 Ion Ratio Lower Upper
 112 100
 64 0.0 60.1 90.1#
 63 0.0 116.8 175.2#





#5

Phenol-d6

Concen: 0.175 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

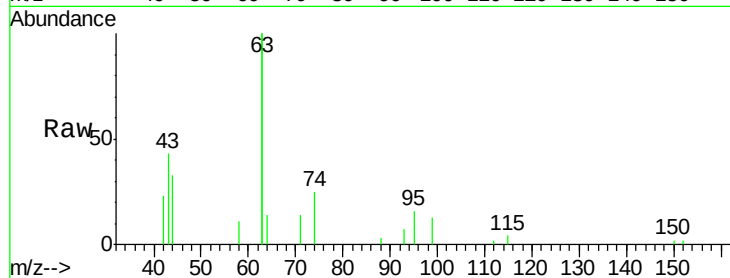
Tgt Ion: 99 Resp: 599

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

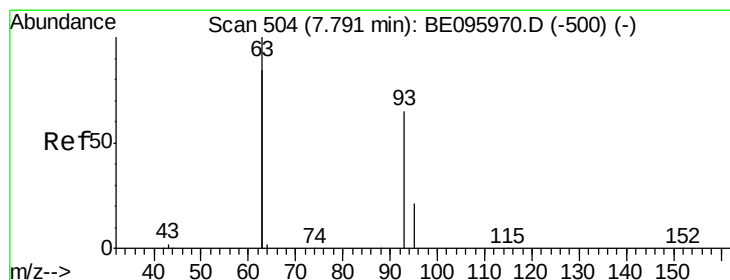
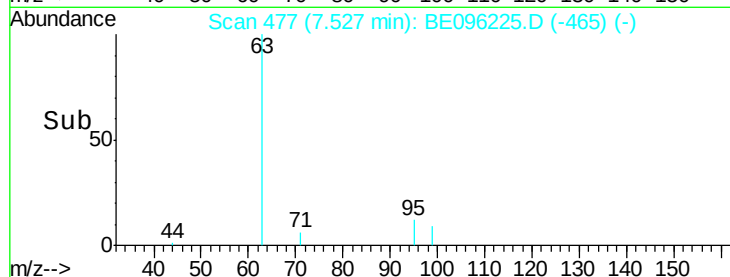
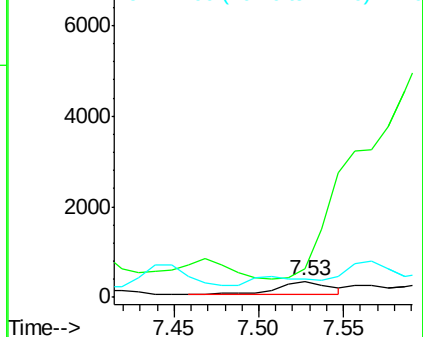
71 74.0 28.4 42.6#



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: 0.389 ng

RT: 7.73 min Scan# 498

Delta R.T. -0.03 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

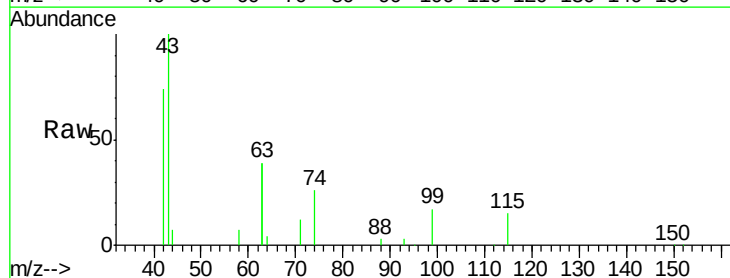
Tgt Ion: 93 Resp: 1169

Ion Ratio Lower Upper

93 100

63 3967.8 275.3 412.9#

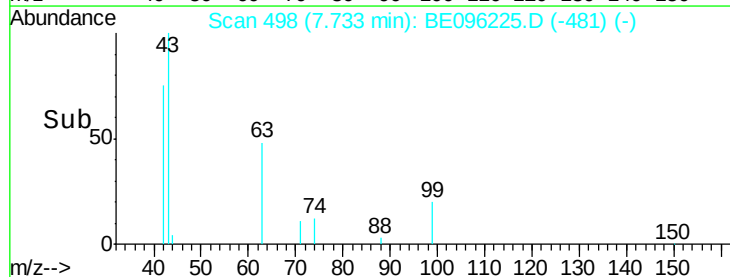
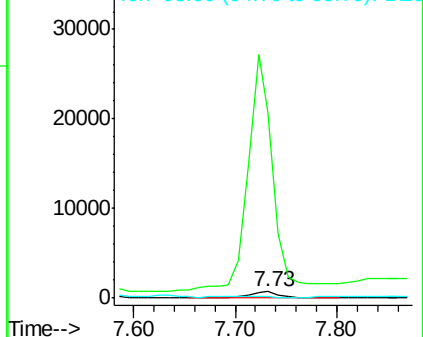
95 0.0 25.2 37.8#

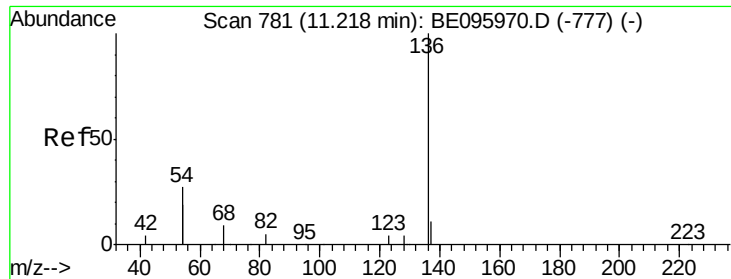


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

Tgt Ion: 136 Resp: 2835

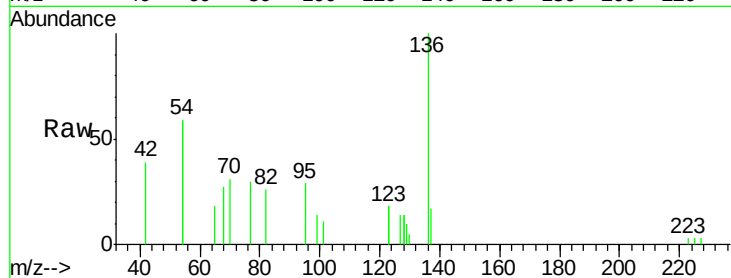
Ion Ratio Lower Upper

136 100

137 16.9 9.5 14.3#

54 117.3 29.1 43.7#

68 26.6 6.2 9.2#

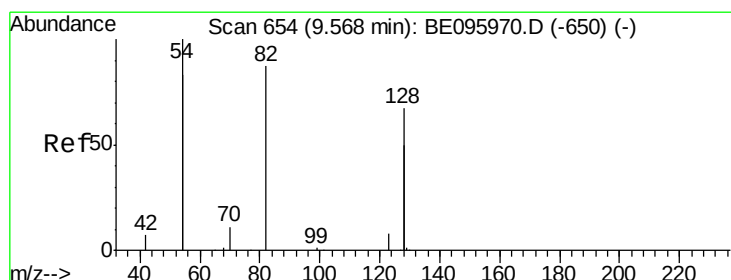
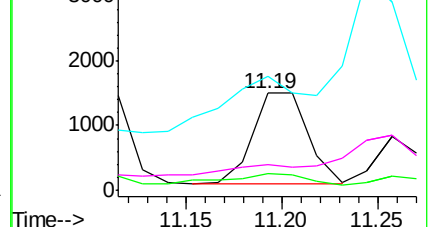
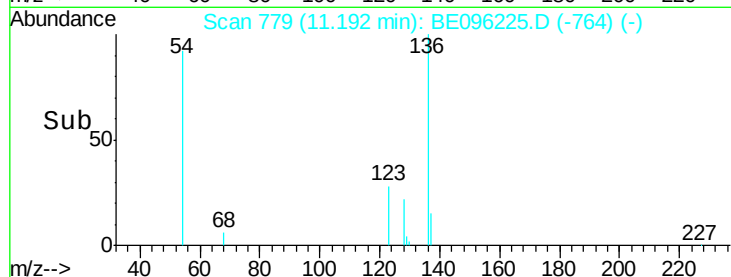


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.757 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

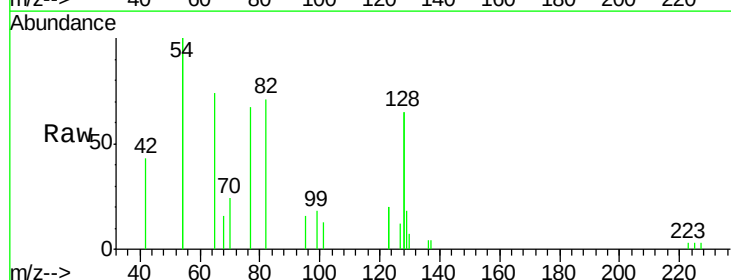
Tgt Ion: 82 Resp: 2518

Ion Ratio Lower Upper

82 100

128 180.9 150.0 225.0

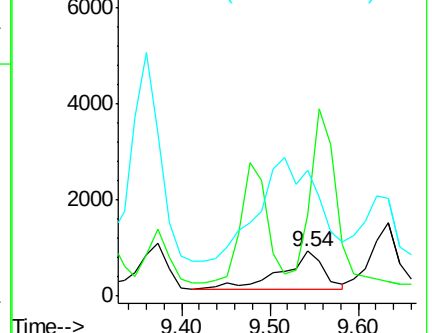
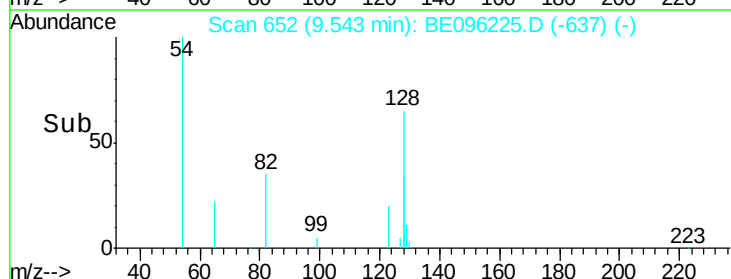
54 279.9 154.2 231.4#

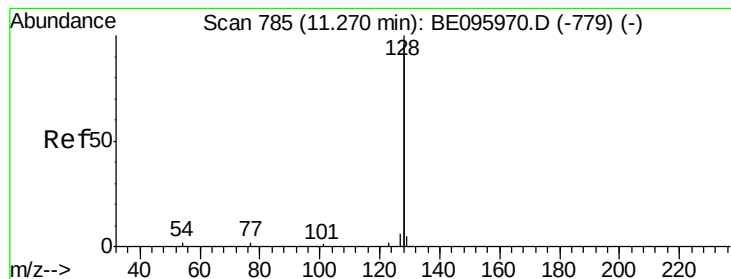


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 105.905 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.01 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

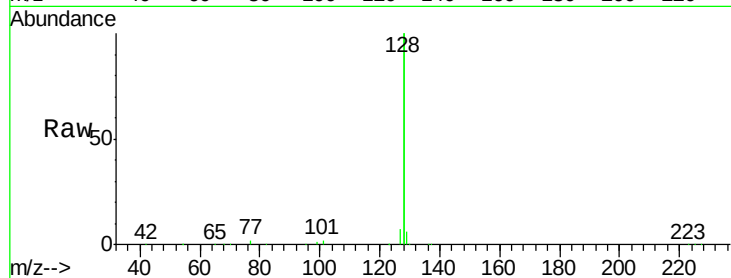
Tgt Ion:128 Resp: 3165229

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

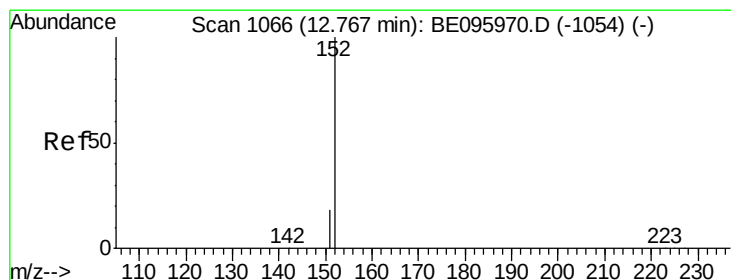
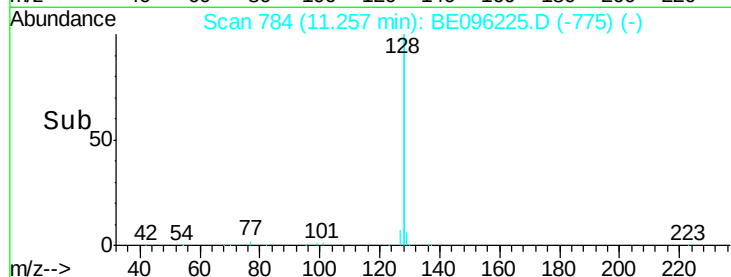
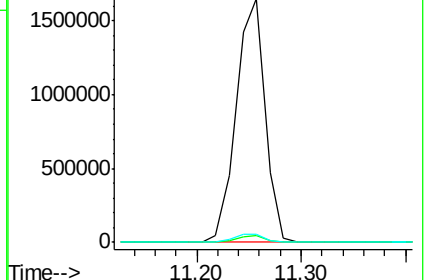
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.397 ng

RT: 12.74 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE096225.D

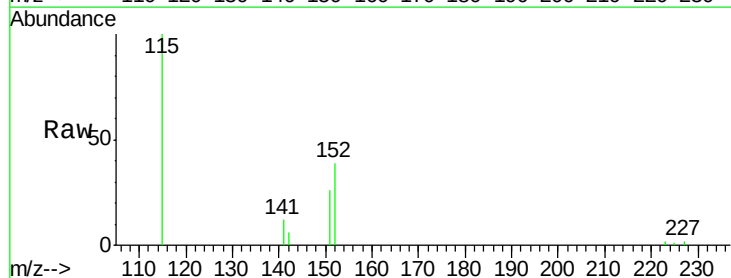
Acq: 30 Apr 2018 17:09

Tgt Ion:152 Resp: 1782

Ion Ratio Lower Upper

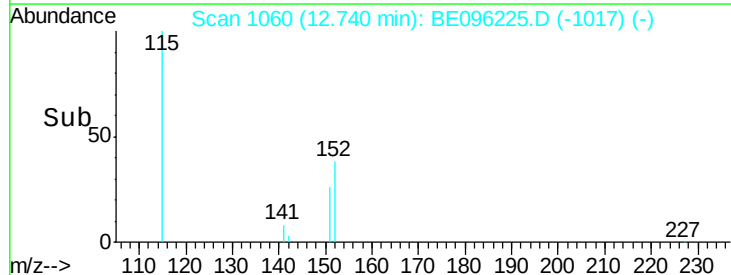
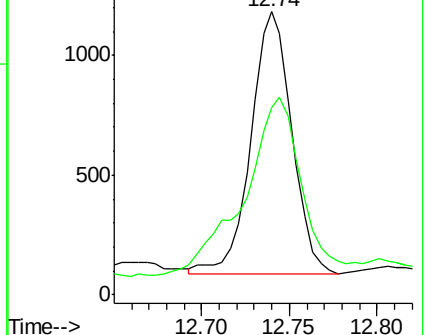
152 100

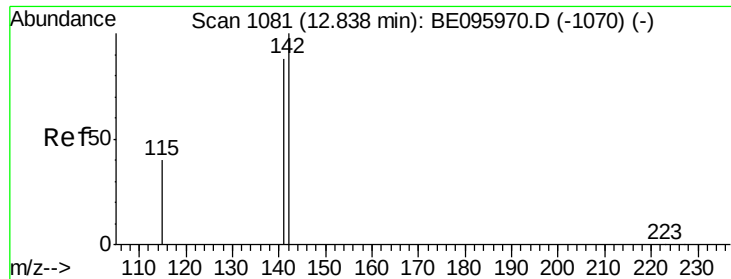
151 97.8 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

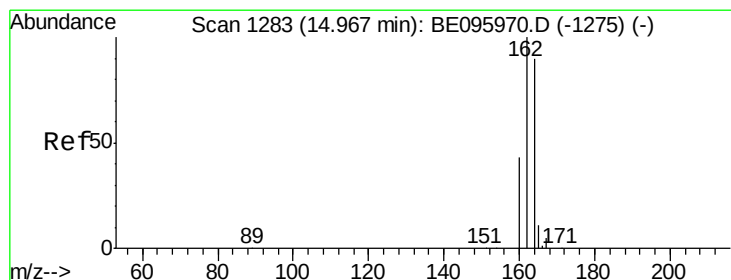
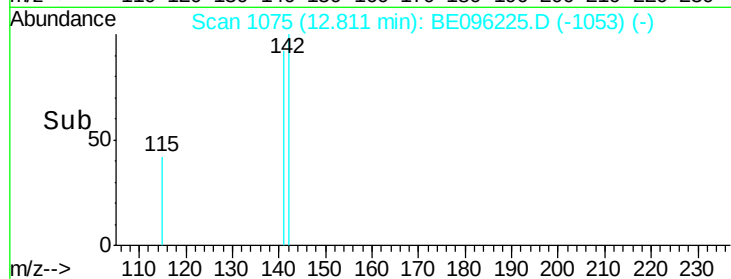
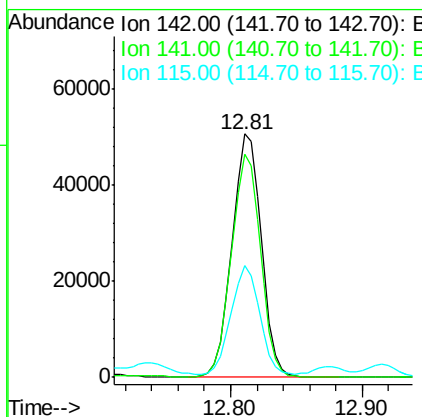
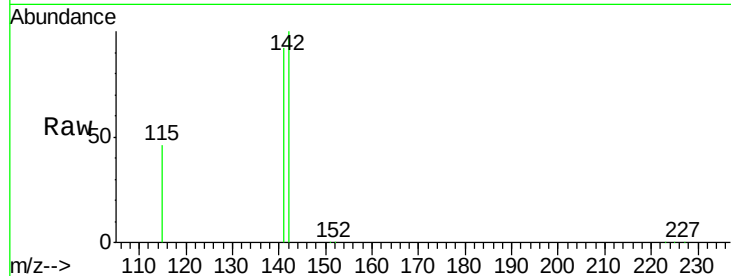




#12
2-Methylnaphthalene
Concen: 15.643 ng
RT: 12.81 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BE096225.D
Acq: 30 Apr 2018 17:09

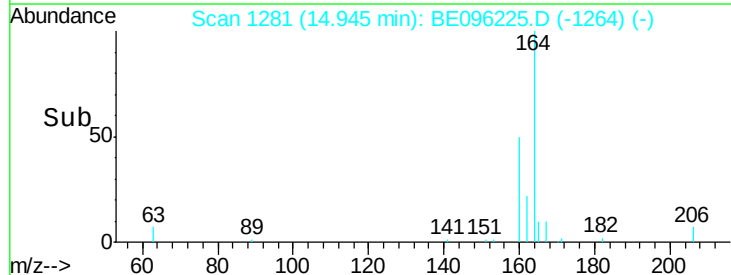
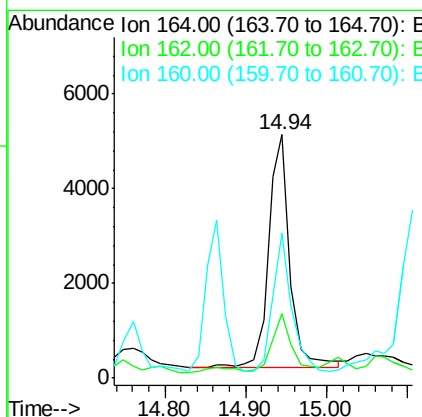
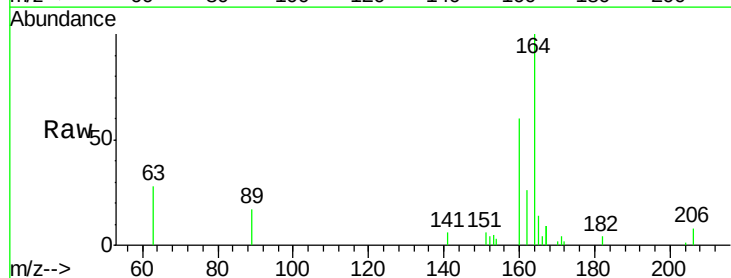
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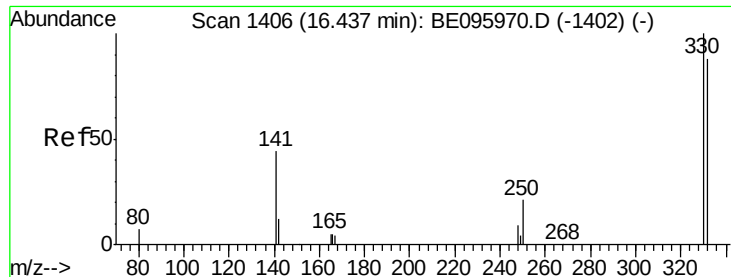
Tgt Ion:142 Resp: 77383
Ion Ratio Lower Upper
142 100
141 91.8 70.4 105.6
115 45.8 31.7 47.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.94 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BE096225.D
Acq: 30 Apr 2018 17:09

Tgt Ion:164 Resp: 8993
Ion Ratio Lower Upper
164 100
162 26.3 83.1 124.7#
160 59.7 37.1 55.7#

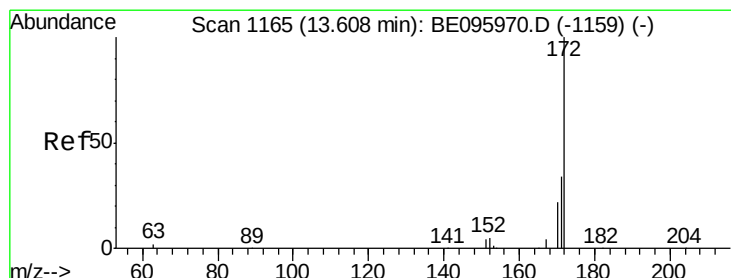
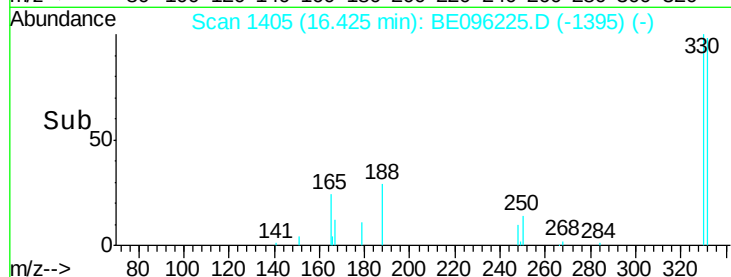
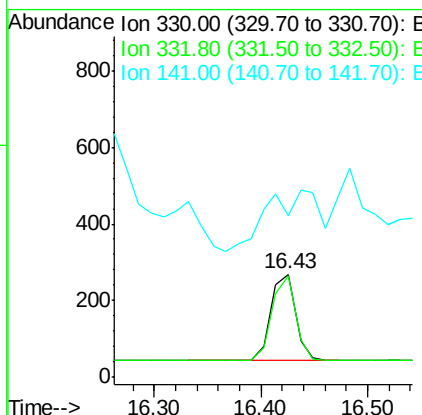
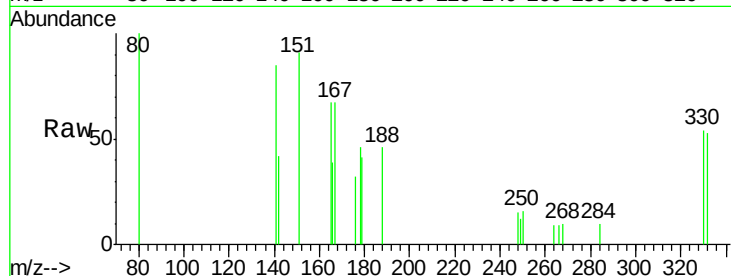




#14
 2,4,6-Tribromophenol
 Concen: 0.086 ng
 RT: 16.43 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

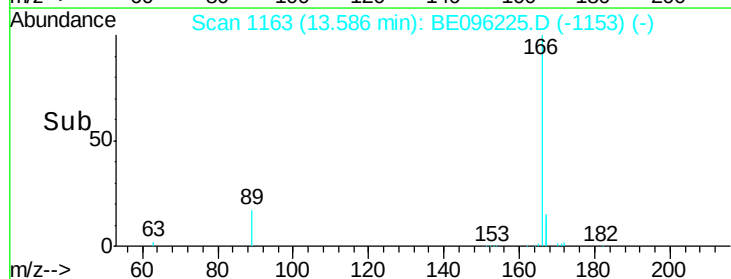
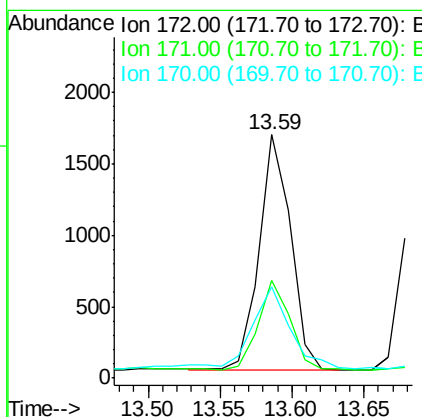
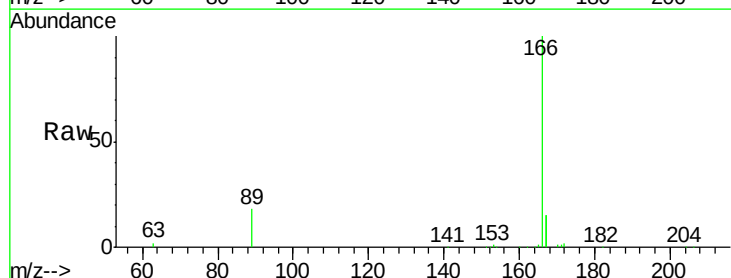
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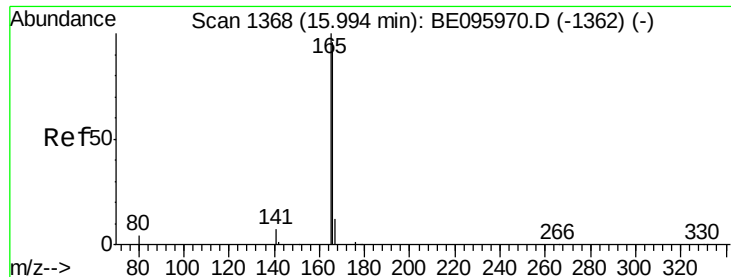
Tgt Ion: 330 Resp: 372
 Ion Ratio Lower Upper
 330 100
 332 93.0 152.7 229.1#
 141 78.2 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.065 ng
 RT: 13.59 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Tgt Ion: 172 Resp: 2499
 Ion Ratio Lower Upper
 172 100
 171 40.0 29.9 44.9
 170 37.5 21.8 32.8#





#18

Fluorene

Concen: 0.046 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

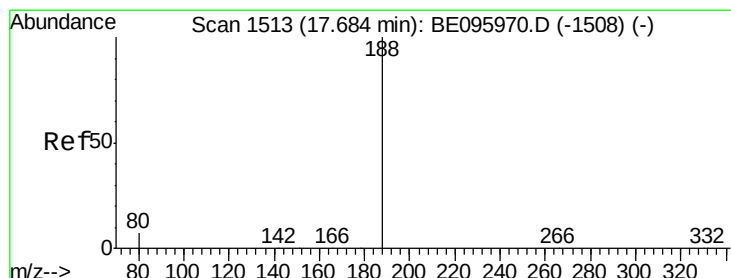
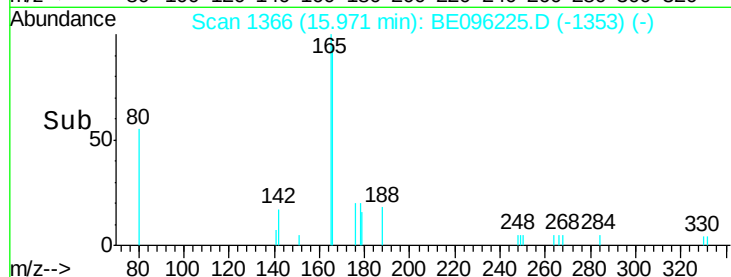
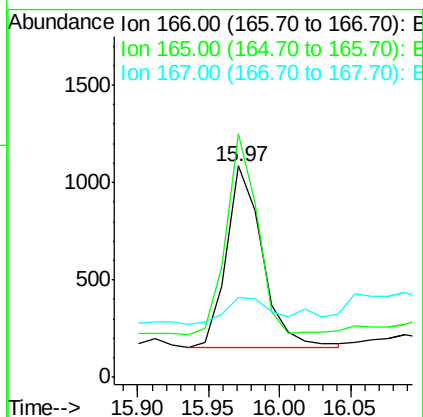
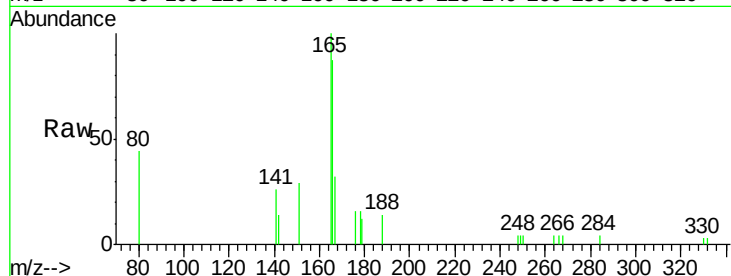
Tgt Ion:166 Resp: 1660

Ion Ratio Lower Upper

166 100

165 94.5 77.8 116.6

167 18.0 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

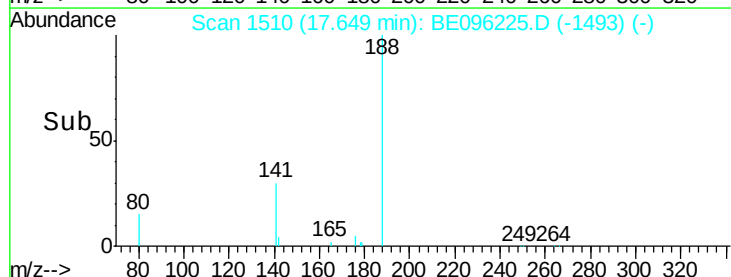
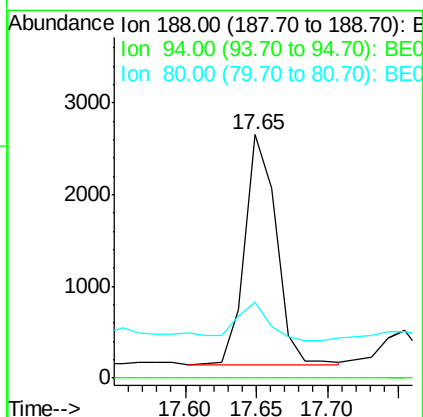
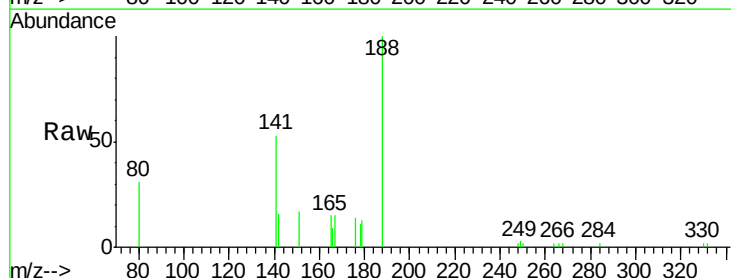
Tgt Ion:188 Resp: 3809

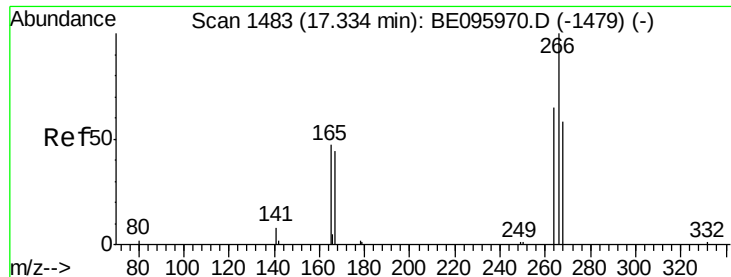
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 31.2 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.146 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

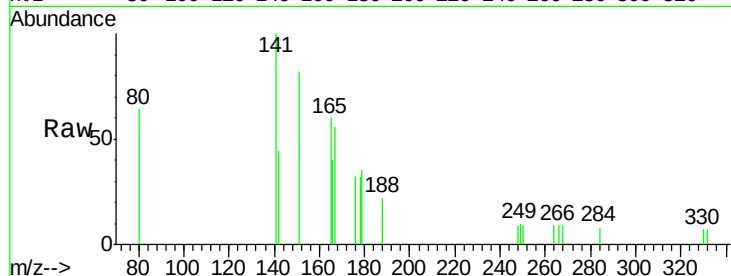
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 101.8 72.5 108.7

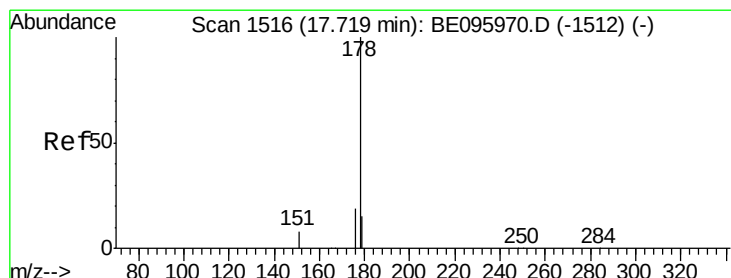
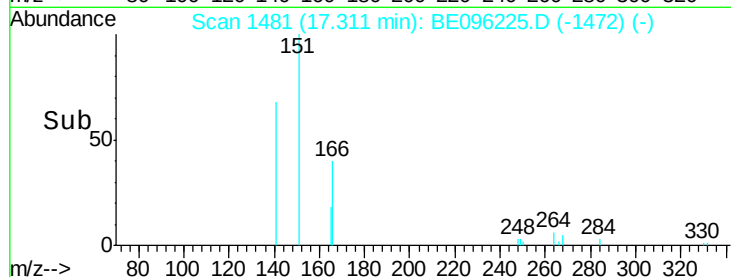
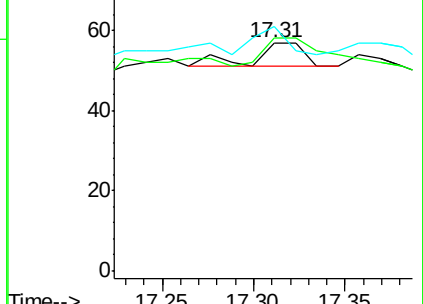
268 107.0 73.8 110.6



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



#23

Phenanthrene

Concen: 0.074 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

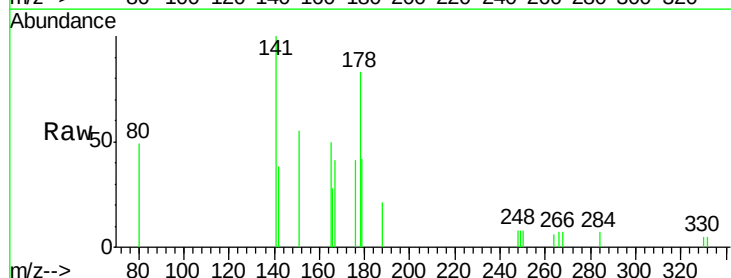
Tgt Ion:178 Resp: 792

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

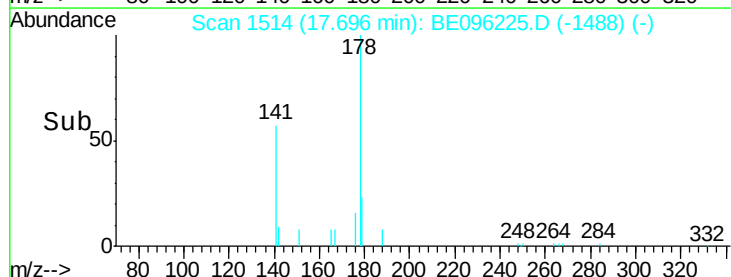
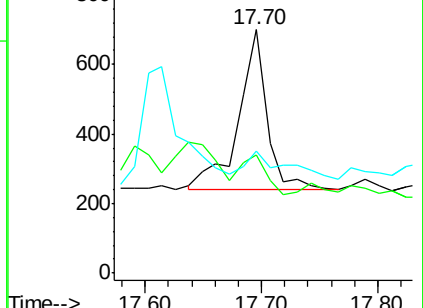
179 0.0 11.8 17.6#

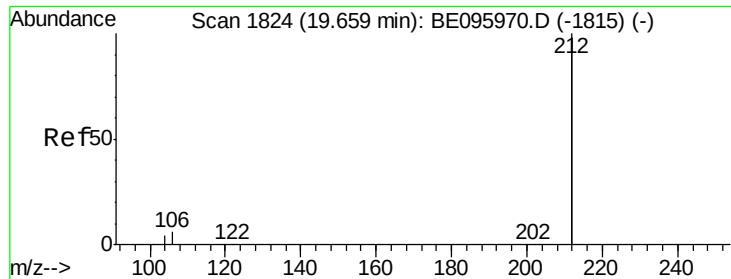


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

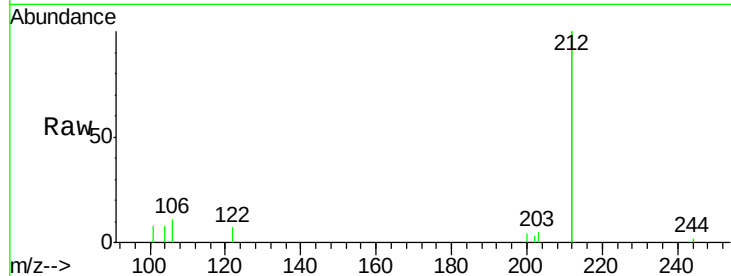
Tgt Ion:212 Resp: 17804

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

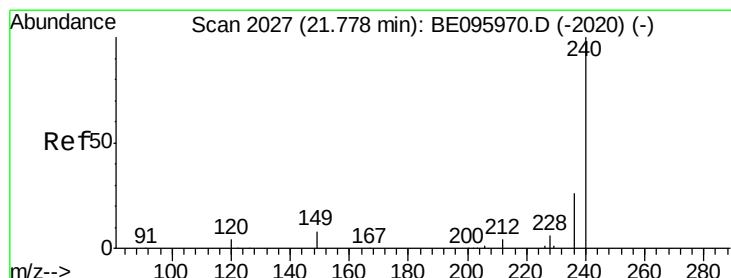
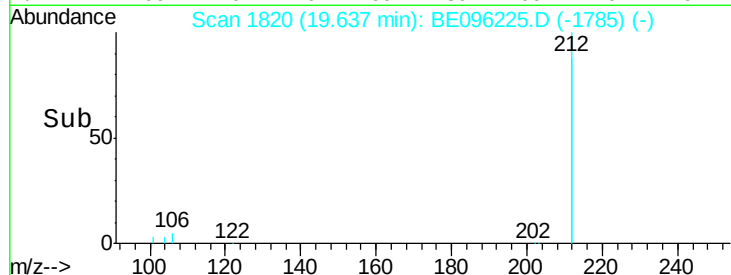
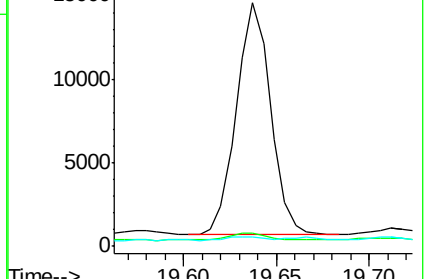
104 1.8 1.6 2.4



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: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

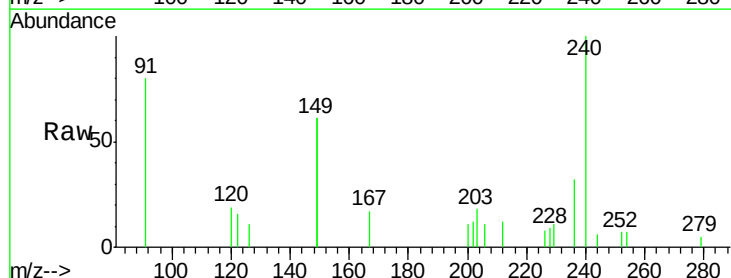
Tgt Ion:240 Resp: 4049

Ion Ratio Lower Upper

240 100

120 19.0 5.5 8.3#

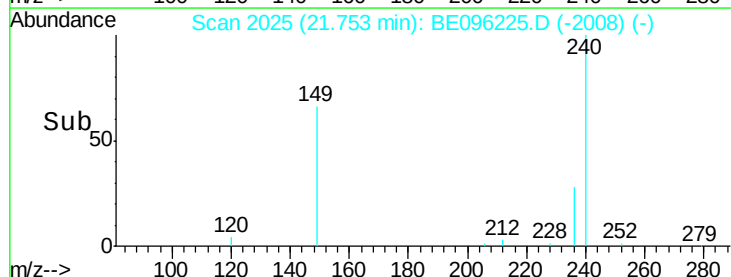
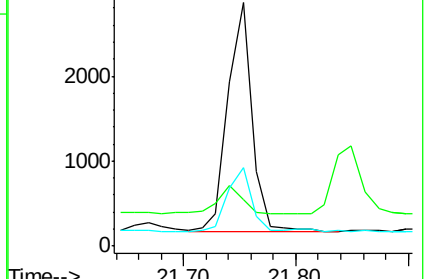
236 32.0 20.7 31.1#

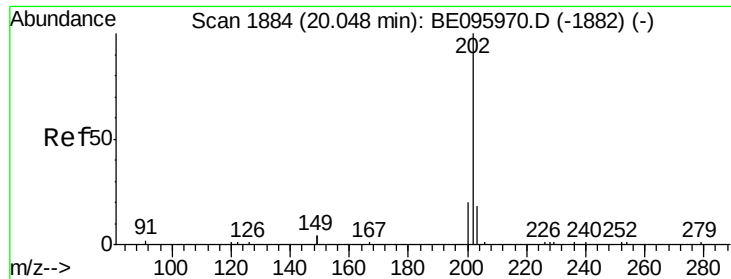


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.061 ng

RT: 19.98 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

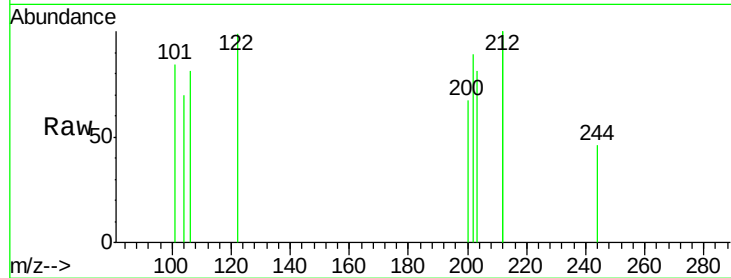
Tgt Ion: 202 Resp: 484

Ion Ratio Lower Upper

202 100

200 27.1 16.6 25.0#

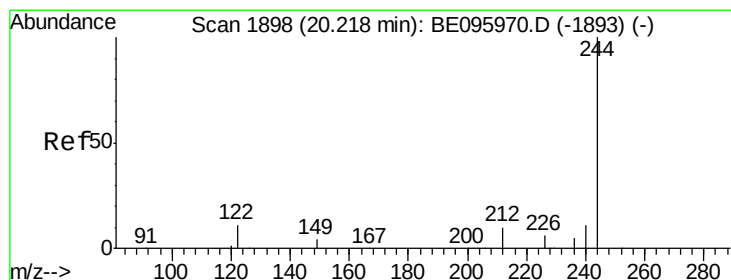
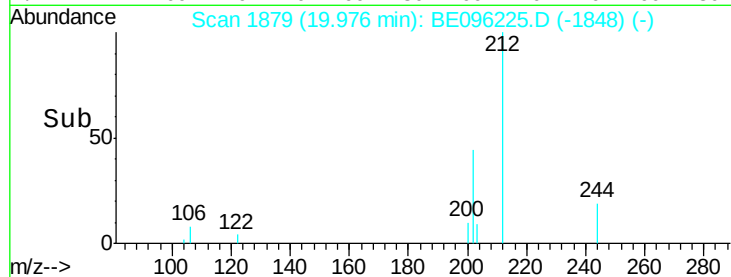
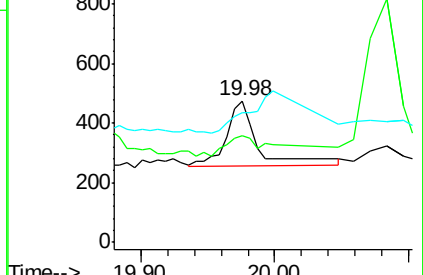
203 0.0 13.8 20.8#



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: 0.290 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

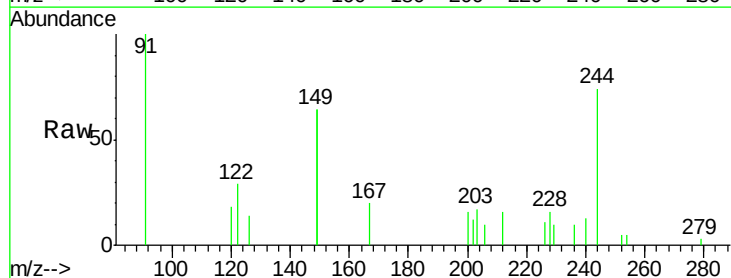
Tgt Ion: 244 Resp: 2595

Ion Ratio Lower Upper

244 100

212 22.0 25.4 38.0#

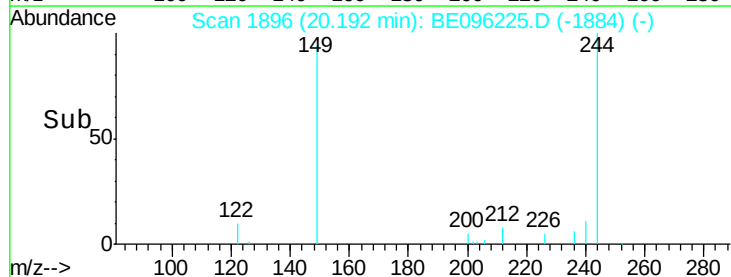
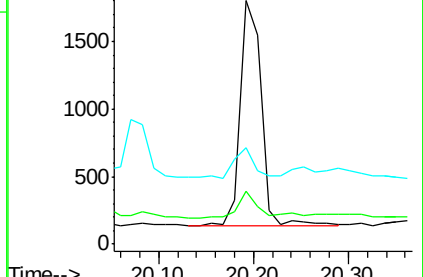
122 39.7 8.1 12.1#

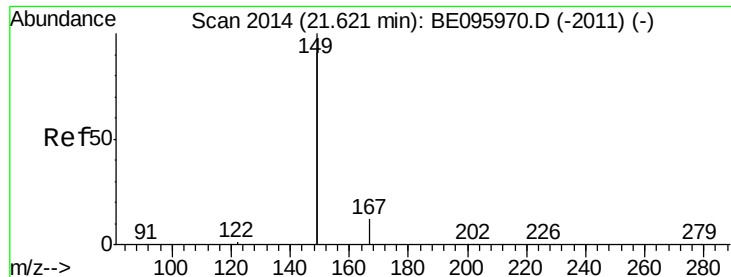


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

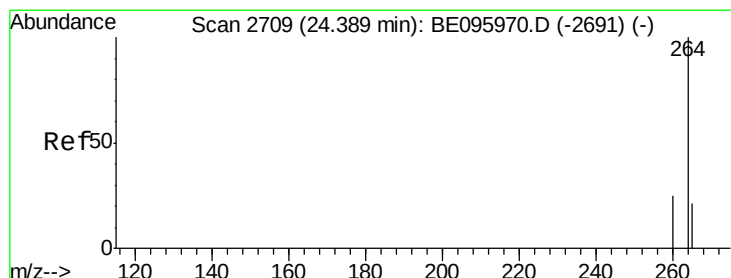
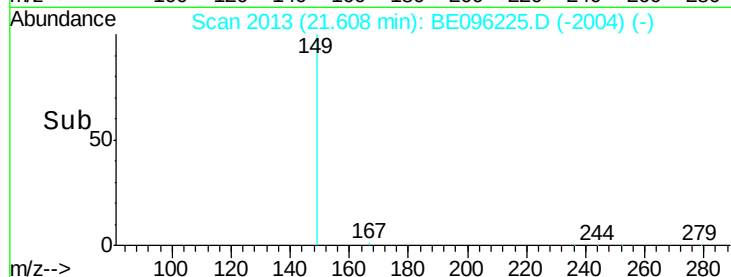
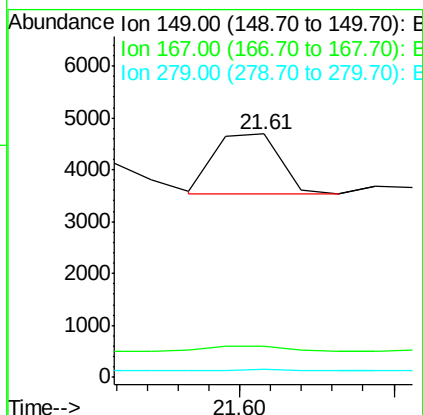
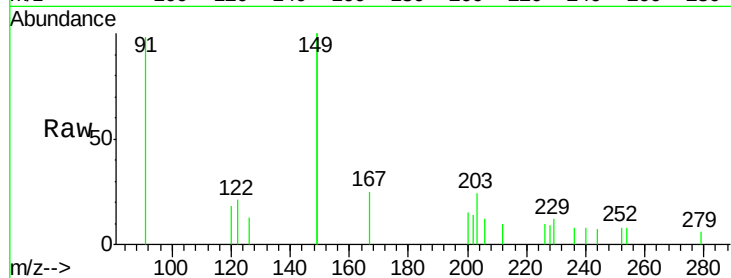




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.051 ng
 RT: 21.61 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

Tgt Ion:149 Resp: 1722
 Ion Ratio Lower Upper
 149 100
 167 11.1 5.4 8.0#
 279 2.1 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.36 min Scan# 2700
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Tgt Ion:264 Resp: 3854
 Ion Ratio Lower Upper
 264 100
 260 28.3 20.5 30.7
 265 39.7 22.8 34.2#

