

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091820.D
 Acq On : 19 May 2016 21:21
 Operator : UM/SJ
 Sample : H3084-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-160512

Quant Time: May 20 04:50:03 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	22199	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	118136	5.00	ng	-0.02
13) Acenaphthene-d10	14.40	164	82030	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	242244	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	278676	5.00	ng	-0.02
35) Perylene-d12	23.73	264	239044	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	16301	2.81	ng	0.00
5) Phenol-d6	6.95	99	17486	2.14	ng	0.00
8) Nitrobenzene-d5	8.93	82	27967	3.57	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	31259	9.82	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	82605	3.56	ng	-0.01
29) Terphenyl-d14	19.74	244	188302	4.77	ng	-0.02

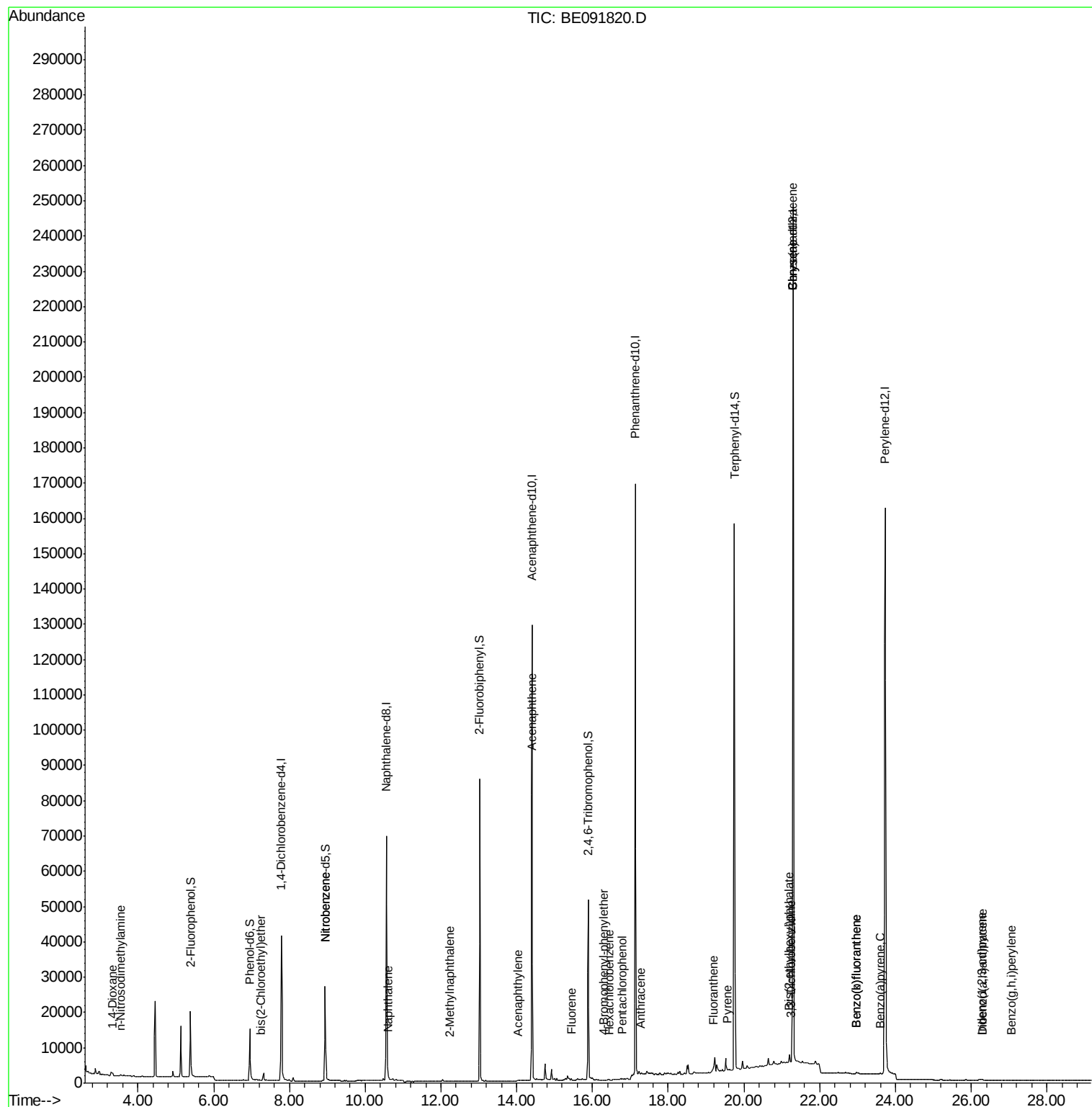
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	729	0.27	ng	# 77
3) n-Nitrosodimethylamine	3.54	42	184	0.05	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	37	0.01	ng	# 28
9) Nitrobenzene	8.93	77	93	0.01	ng	# 1
10) Naphthalene	10.61	128	261	0.01	ng	# 16
12) 2-Methylnaphthalene	12.23	142	92	0.01	ng	# 51
16) Acenaphthylene	14.04	152	456	0.01	ng	# 1
17) Acenaphthene	14.39	154	399	0.02	ng	# 19
18) Fluorene	15.44	166	315	0.01	ng	# 83
20) 4-Bromophenyl-phenylether	16.31	248	8	0.00	ng	# 1
21) Hexachlorobenzene	16.45	284	22	0.00	ng	# 1
22) Pentachlorophenol	16.79	266	53	0.01	ng	# 71
23) Phenanthrene	17.17	178	1612	Below Cal		# 60
24) Anthracene	17.26	178	522	0.01	ng	# 57
25) Fluoranthene	19.19	202	1139	0.02	ng	# 60
27) Benzdine	19.28	184	273	Below Cal		# 1
28) Pyrene	19.55	202	1047	0.02	ng	# 25
30) Benzo(a)anthracene	21.29	228	1823	0.03	ng	# 26
31) 3,3'-Dichlorobenzidine	21.24	252	267	0.01	ng	# 15
32) Chrysene	21.29	228	1862	0.07	ng	# 35
33) Bis(2-ethylhexyl)phthalate	21.20	149	3086	0.32	ng	# 84
34) Indeno(1,2,3-cd)pyrene	26.27	276	357	0.01	ng	# 63
36) Benzo(b)fluoranthene	22.97	252	480	0.01	ng	# 1
37) Benzo(k)fluoranthene	22.97	252	480	0.01	ng	# 1
38) Benzo(a)pyrene	23.61	252	348	0.01	ng	# 1
39) Dibenzo(a,h)anthracene	26.29	278	219	0.00	ng	# 1
40) Benzo(g,h,i)perylene	27.06	276	301	0.01	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

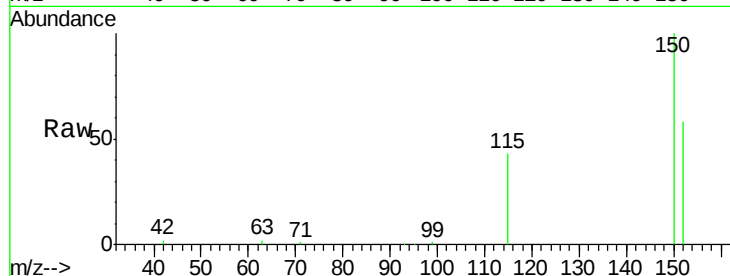
Tgt Ion: 152 Resp: 22199

Ion Ratio Lower Upper

152 100

150 173.1 122.6 183.8

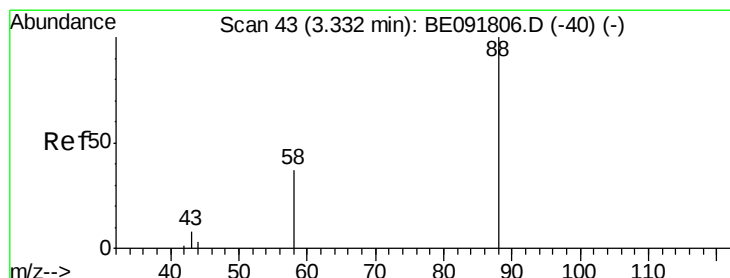
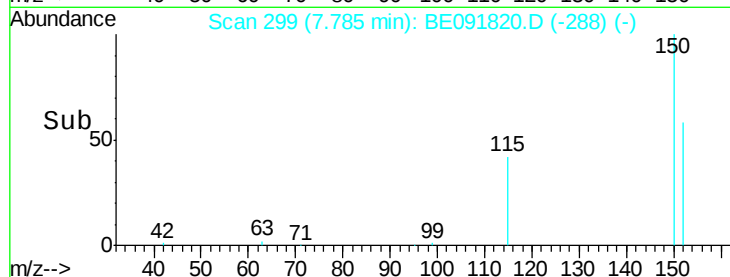
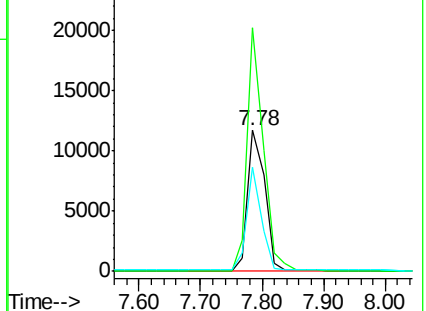
115 73.9 52.8 79.2



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: 0.27 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

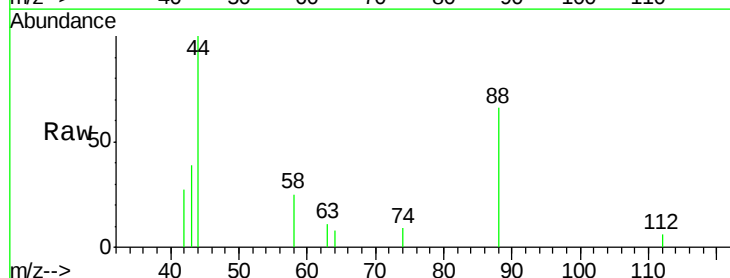
Tgt Ion: 88 Resp: 729

Ion Ratio Lower Upper

88 100

58 75.6 65.8 98.6

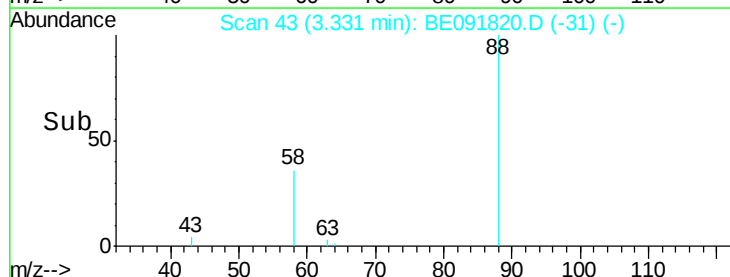
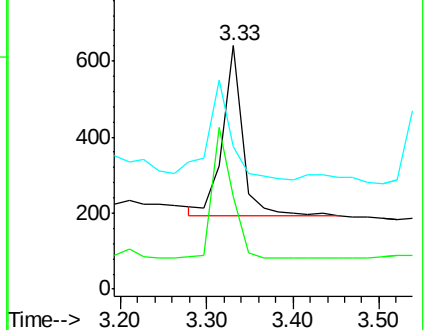
43 67.6 25.3 37.9#

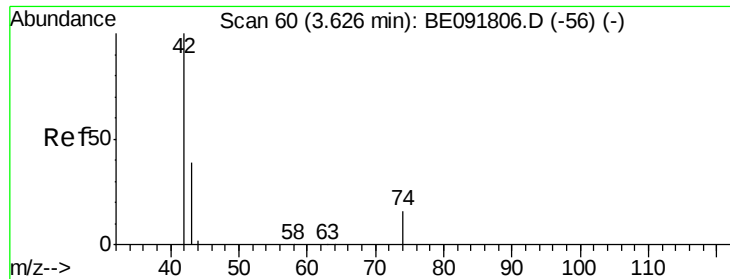


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.09 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

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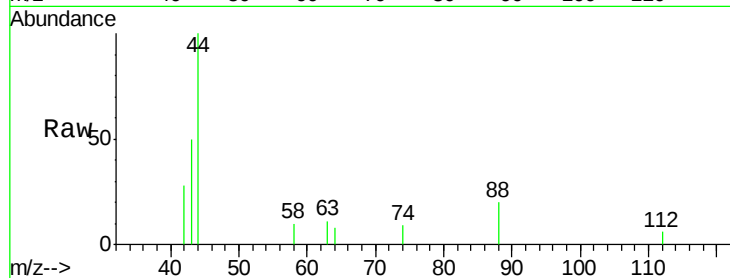
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

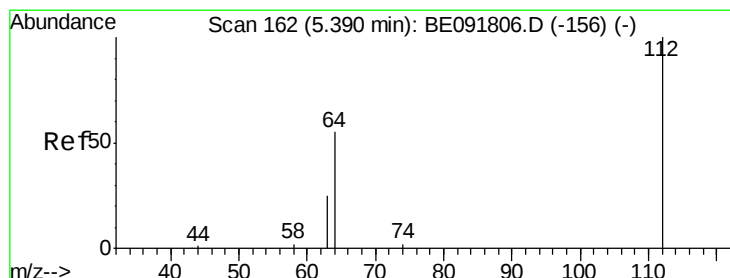
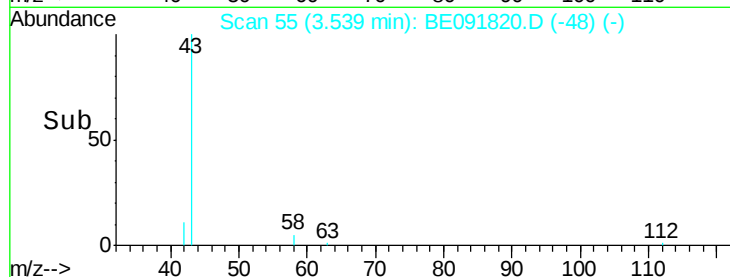
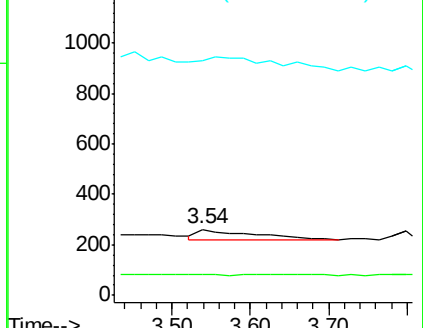
44 207.1 6.6 9.8#



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: 2.81 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

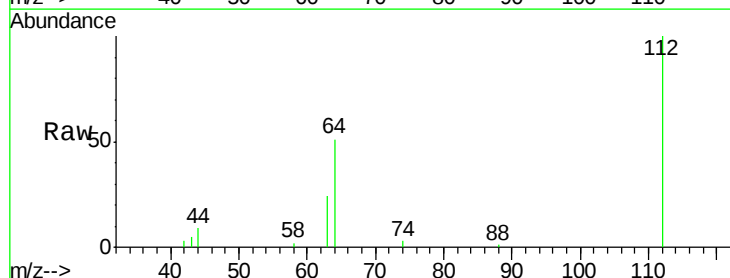
Tgt Ion: 112 Resp: 16301

Ion Ratio Lower Upper

112 100

64 67.2 30.9 46.3#

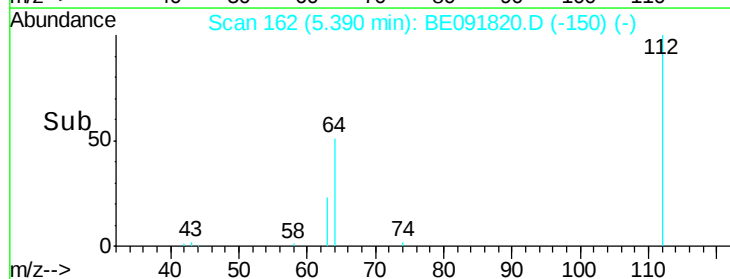
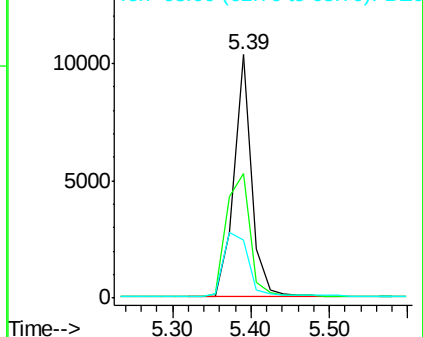
63 36.1 16.7 25.1#

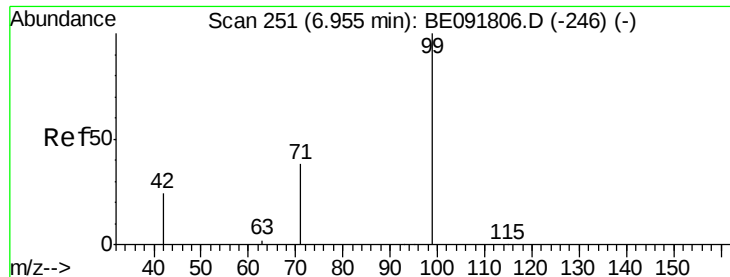


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.14 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

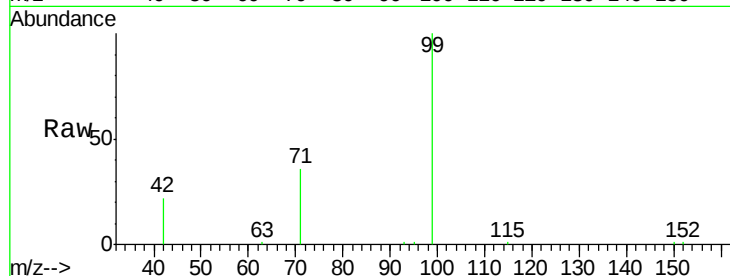
Tgt Ion: 99 Resp: 17486

Ion Ratio Lower Upper

99 100

42 23.0 16.2 24.2

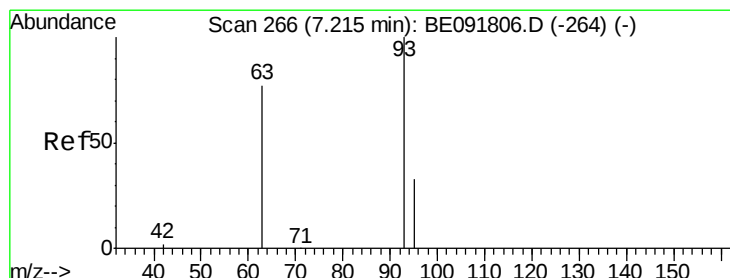
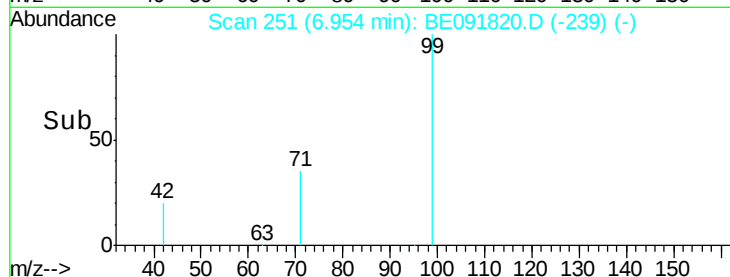
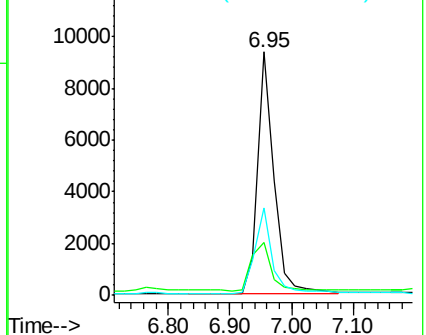
71 37.1 29.0 43.4



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: 0.01 ng

RT: 7.25 min Scan# 268

Delta R.T. 0.03 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

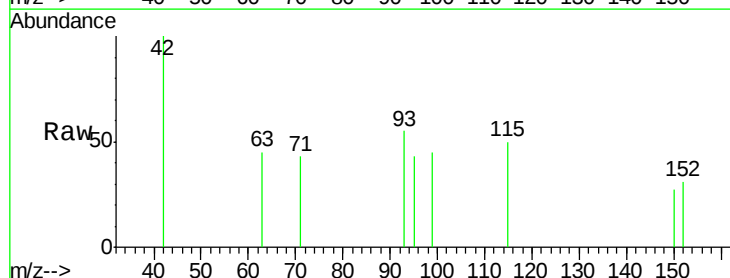
Tgt Ion: 93 Resp: 37

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

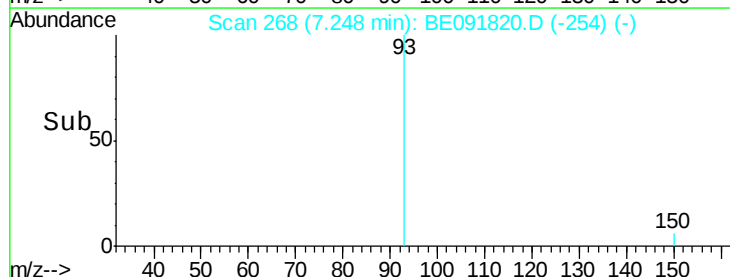
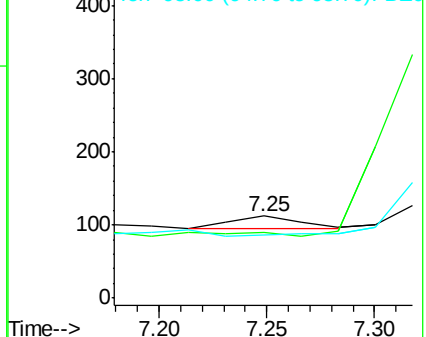
95 0.0 22.2 33.4#

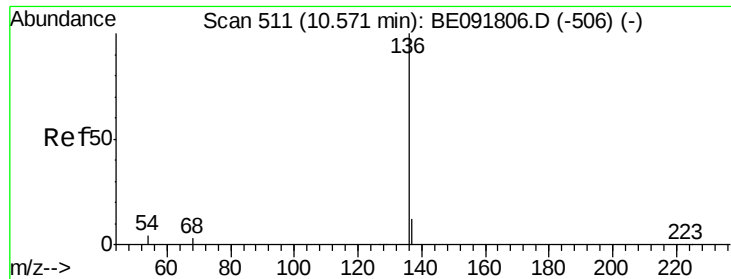


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

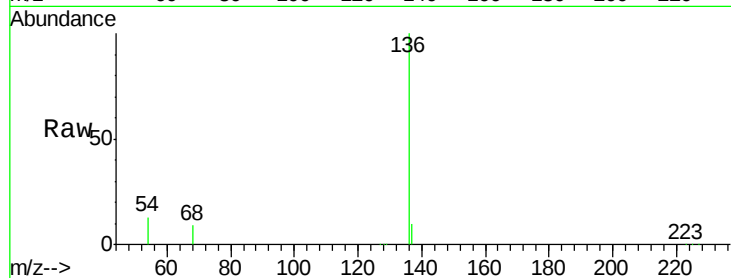
Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

Tgt Ion:	136	Resp:	118136
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.9	13.3
54	12.9	8.2	12.4#
68	8.9	6.2	9.4

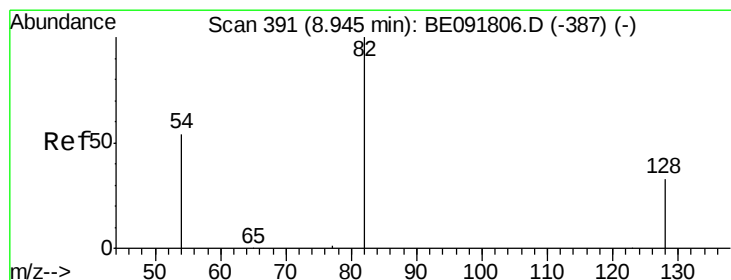
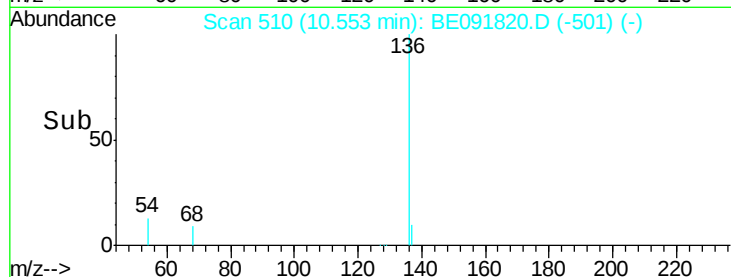
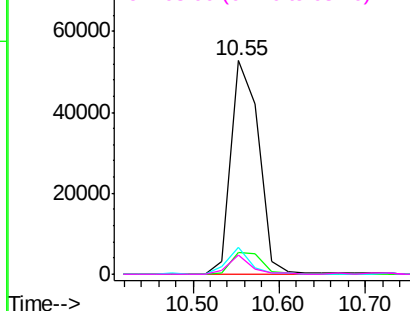


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.57 ng

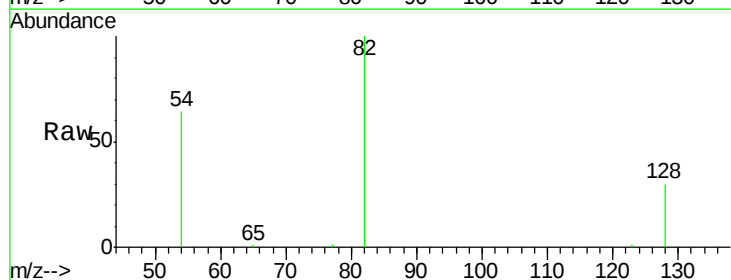
RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

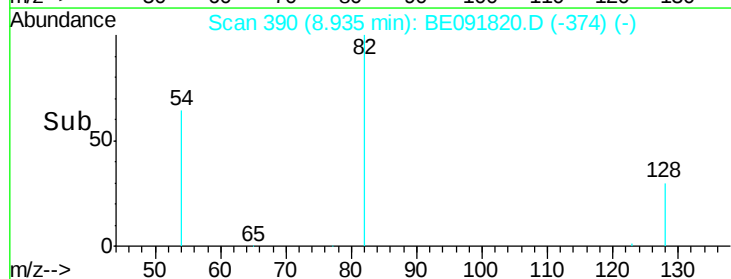
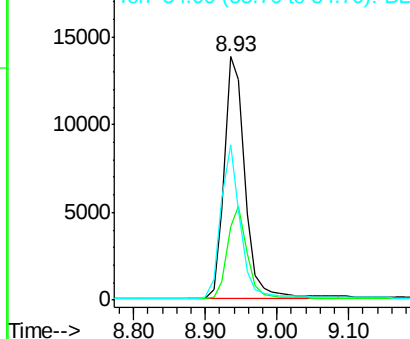
Tgt Ion:	82	Resp:	27967
Ion	Ratio	Lower	Upper
82	100		
128	30.4	25.4	38.0
54	64.0	48.4	72.6

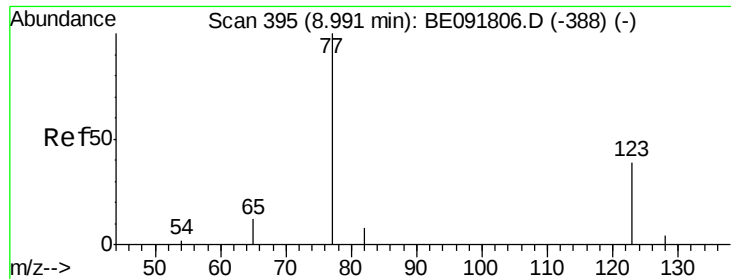


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.01 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.06 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

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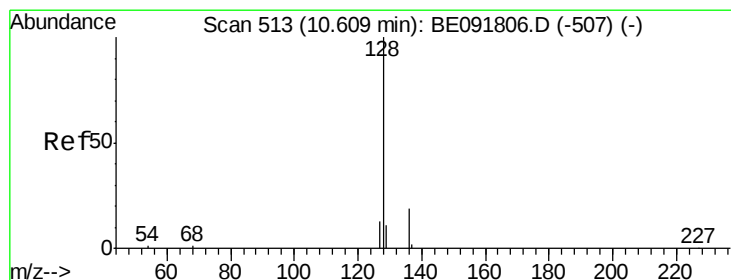
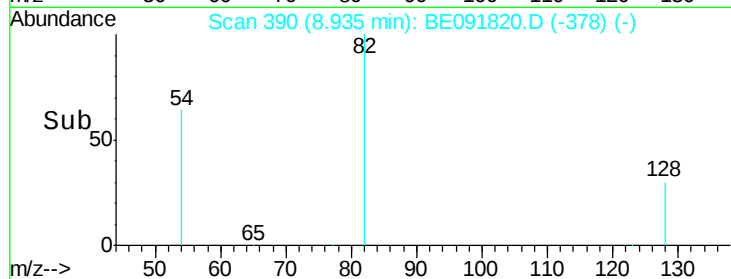
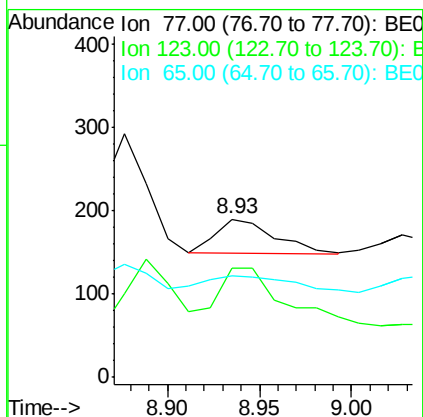
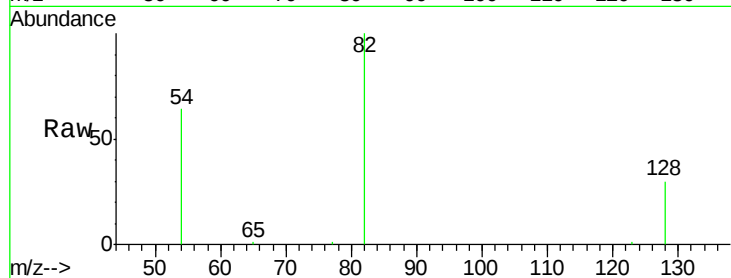
Tgt Ion: 77 Resp: 93

Ion Ratio Lower Upper

77 100

123 191.4 26.9 40.3#

65 69.9 9.4 14.2#



#10

Naphthalene

Concen: 0.01 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

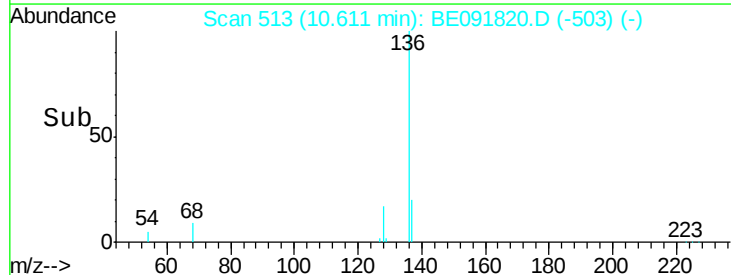
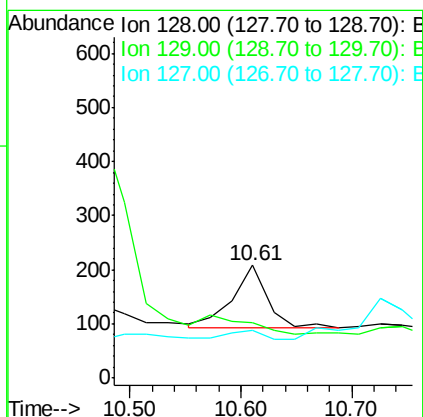
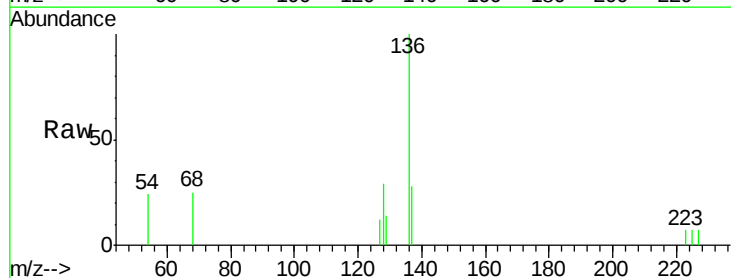
Tgt Ion: 128 Resp: 261

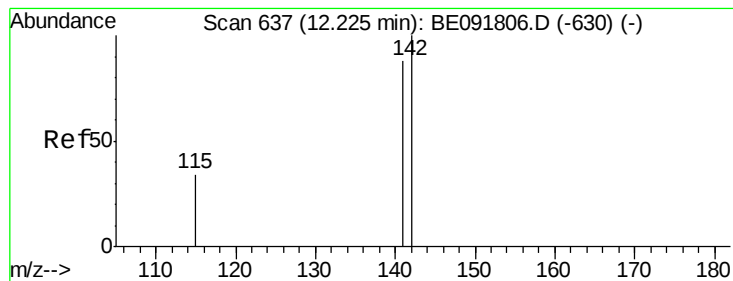
Ion Ratio Lower Upper

128 100

129 48.6 9.3 13.9#

127 42.8 10.7 16.1#





#12

2-Methylnaphthalene

Concen: 0.01 ng

RT: 12.23 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

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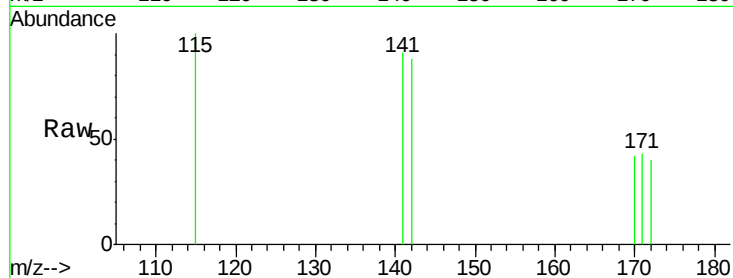
Tgt Ion:142 Resp: 92

Ion Ratio Lower Upper

142 100

141 103.6 71.4 107.0

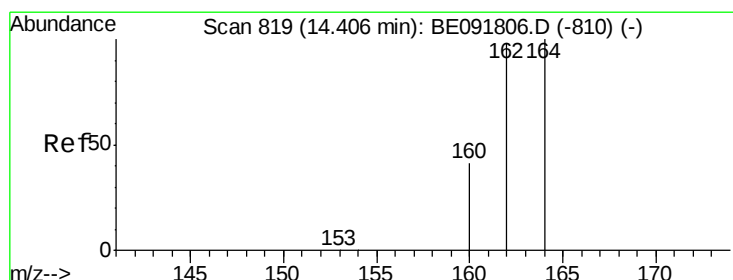
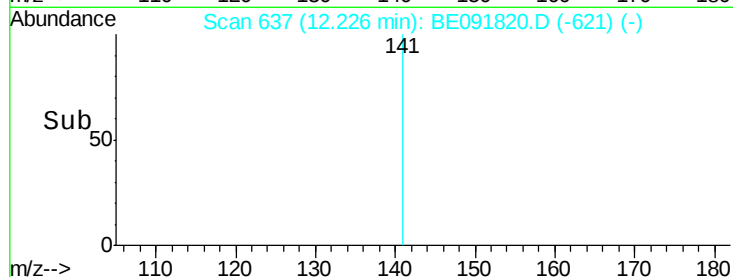
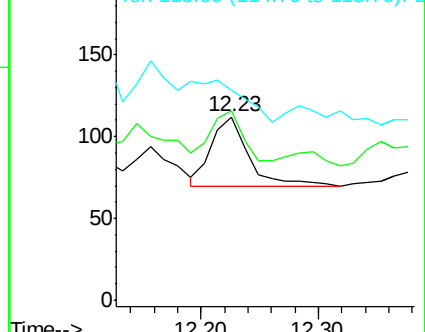
115 114.3 30.3 45.5#



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



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

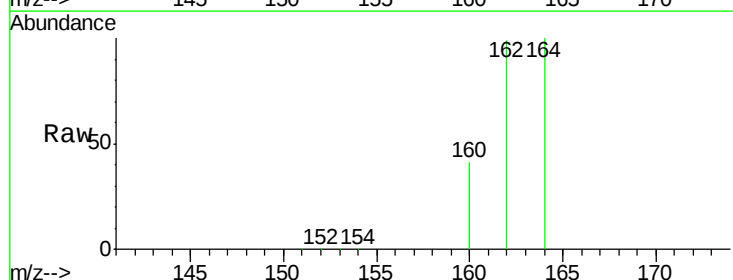
Tgt Ion:164 Resp: 82030

Ion Ratio Lower Upper

164 100

162 98.6 85.3 127.9

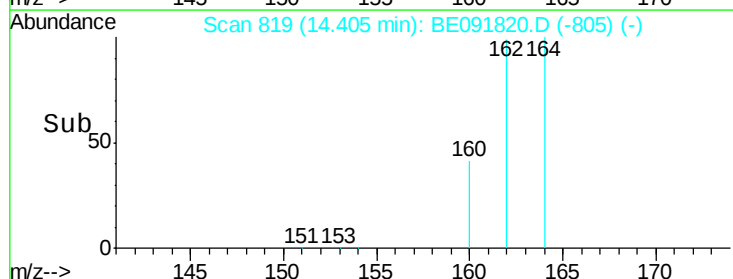
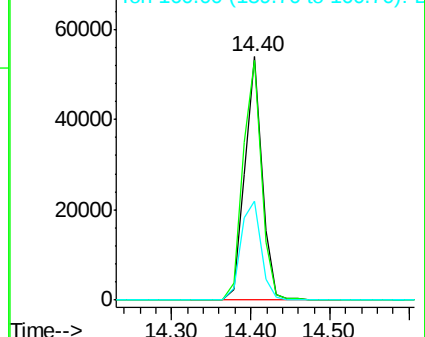
160 40.9 46.2 69.2#

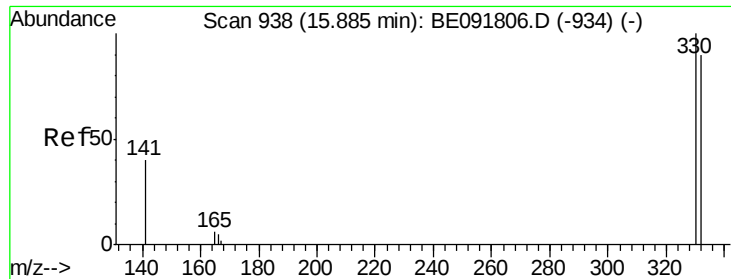


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

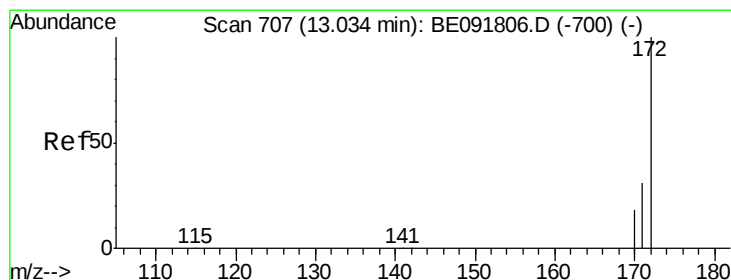
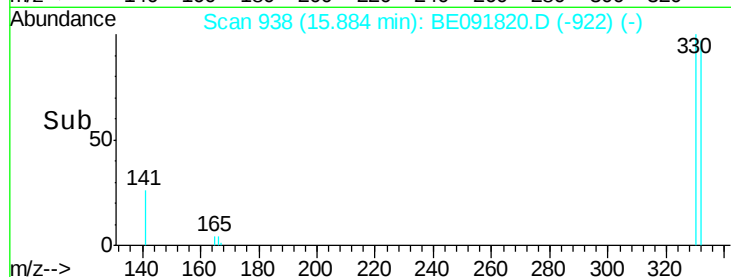
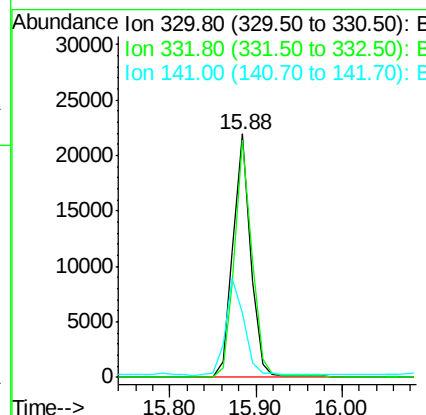
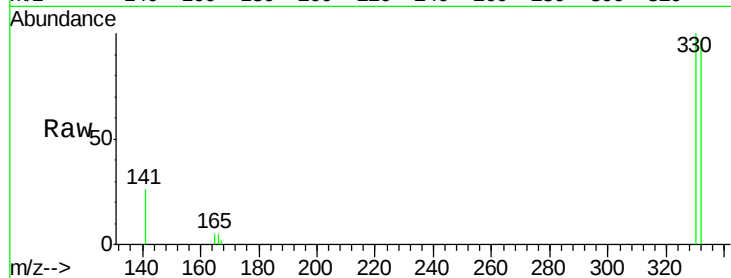




#14
 2,4,6-Tribromophenol
 Concen: 9.82 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091820.D
 Acq: 19 May 2016 21:21

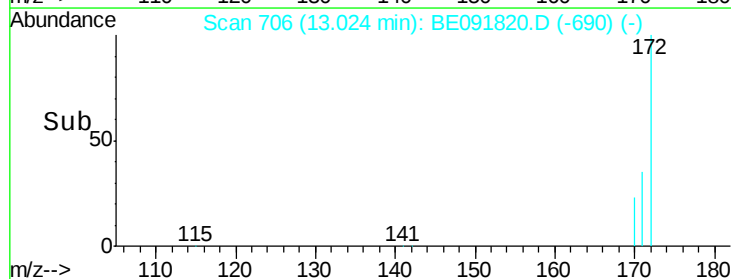
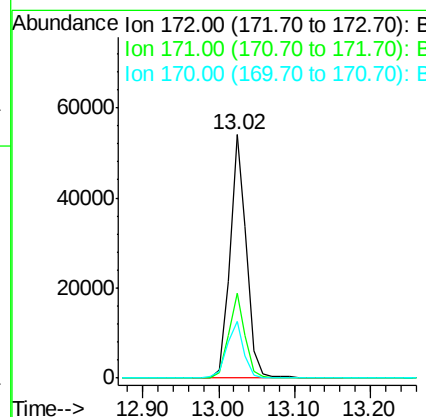
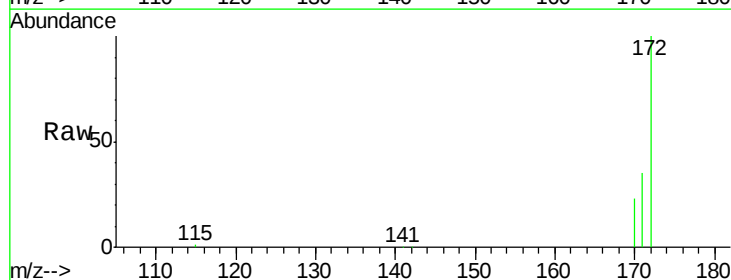
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-160512

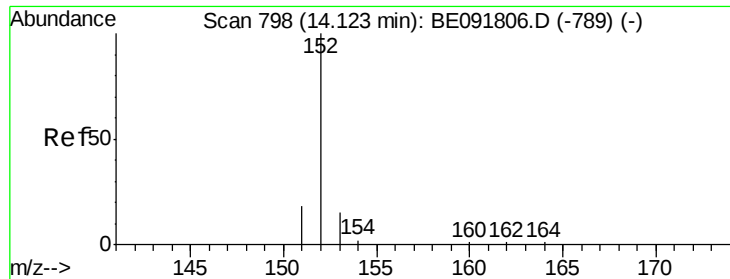
Tgt Ion:330 Resp: 31259
 Ion Ratio Lower Upper
 330 100
 332 96.2 79.1 118.7
 141 42.2 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.56 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091820.D
 Acq: 19 May 2016 21:21

Tgt Ion:172 Resp: 82605
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.4 19.3 28.9





#16

Acenaphthylene

Concen: 0.01 ng

RT: 14.04 min Scan# 792

Delta R.T. -0.08 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

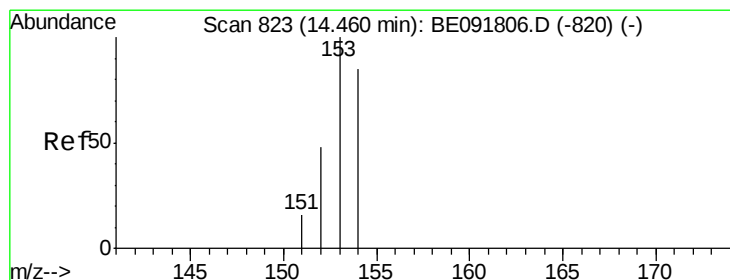
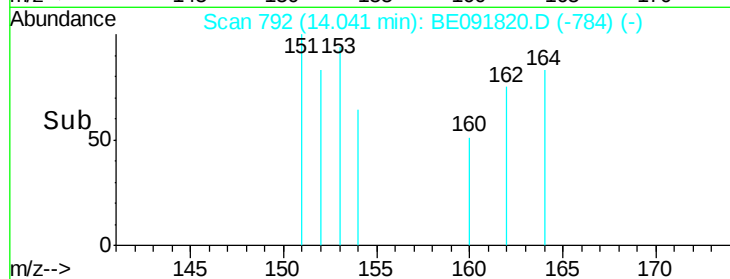
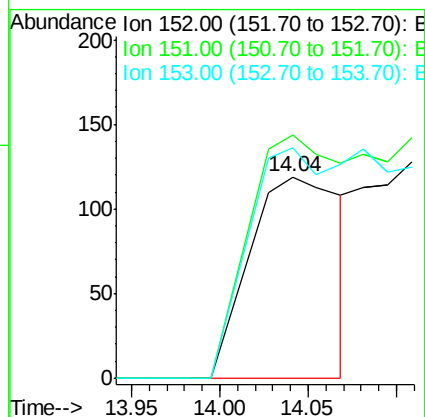
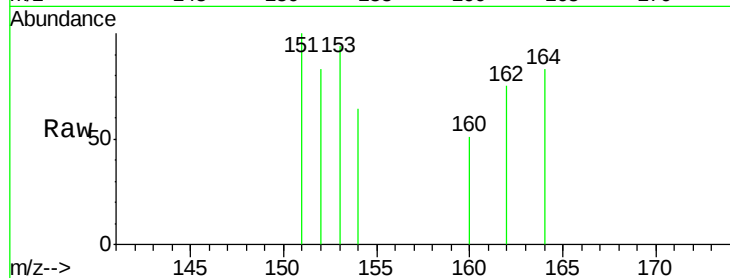
Tgt Ion:152 Resp: 456

Ion Ratio Lower Upper

152 100

151 119.7 3.9 5.9#

153 90.1 10.3 15.5#



#17

Acenaphthene

Concen: 0.02 ng

RT: 14.39 min Scan# 818

Delta R.T. -0.08 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

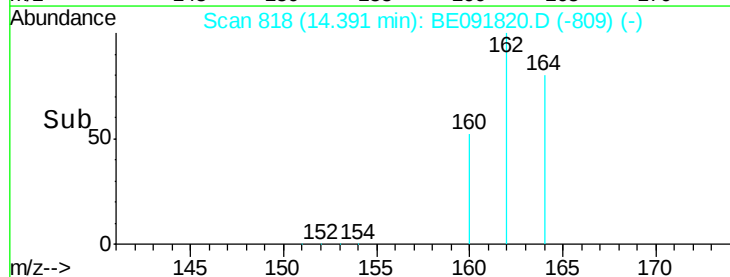
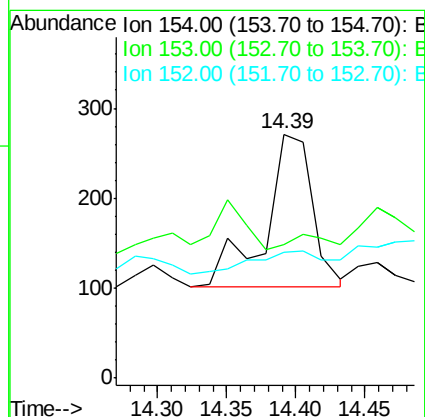
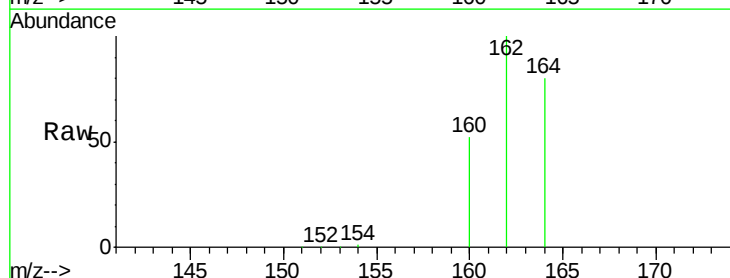
Tgt Ion:154 Resp: 399

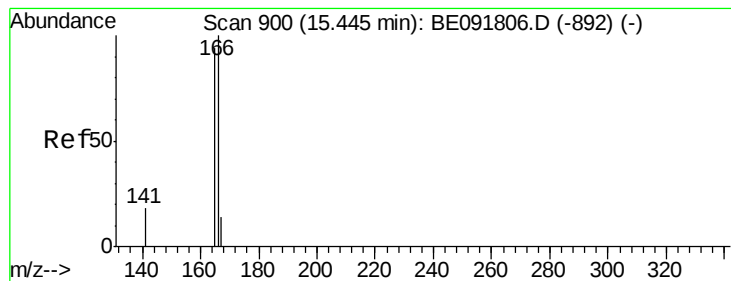
Ion Ratio Lower Upper

154 100

153 0.0 80.0 120.0#

152 21.1 40.0 60.0#





#18

Fluorene

Concen: 0.01 ng

RT: 15.44 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

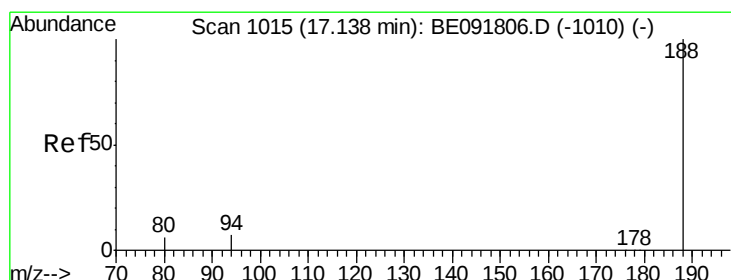
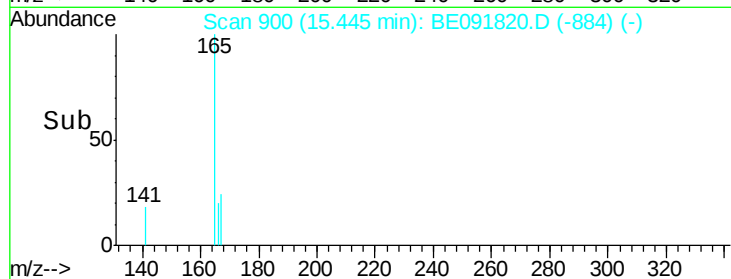
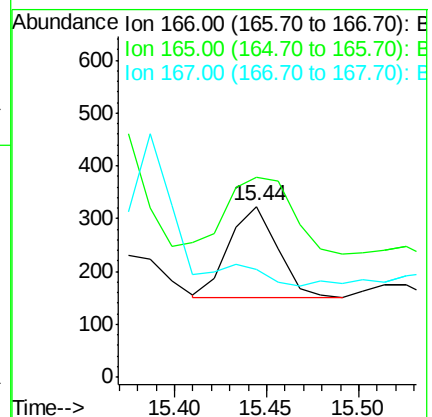
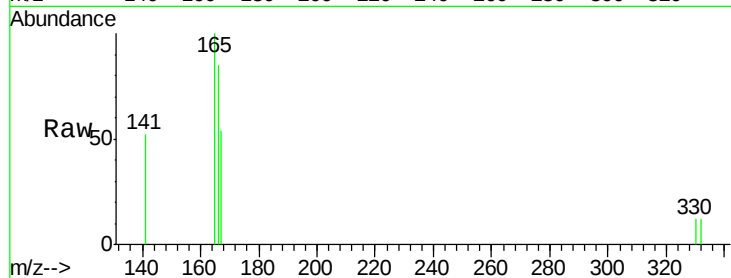
Tgt Ion:166 Resp: 315

Ion Ratio Lower Upper

166 100

165 116.2 80.8 121.2

167 0.0 10.9 16.3#



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

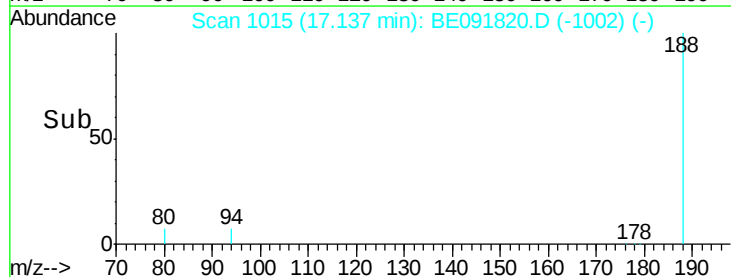
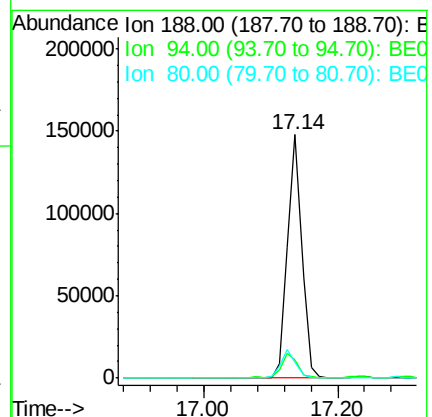
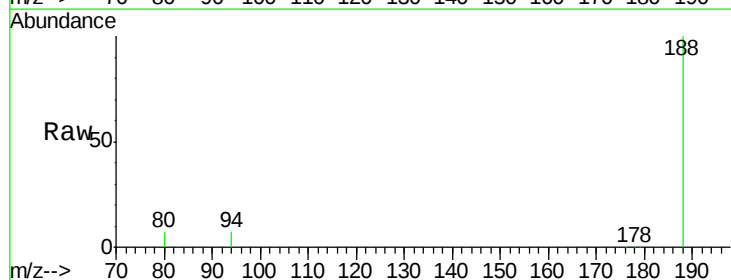
Tgt Ion:188 Resp: 242244

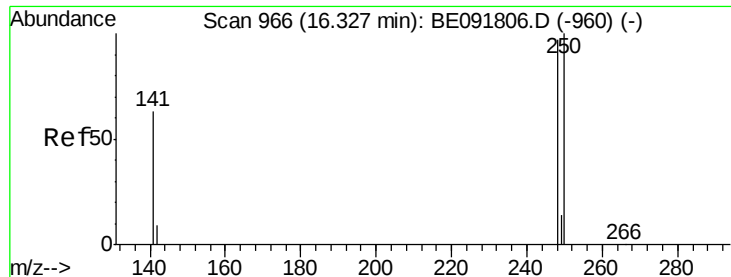
Ion Ratio Lower Upper

188 100

94 7.3 8.7 13.1#

80 6.5 9.4 14.0#

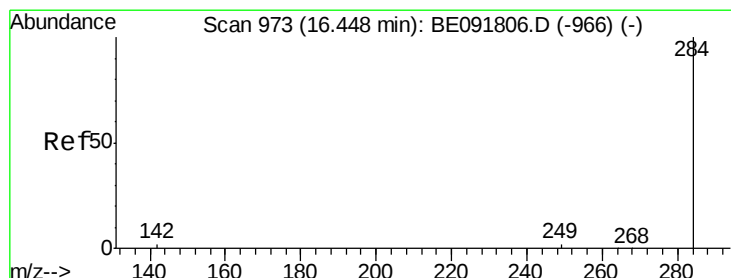
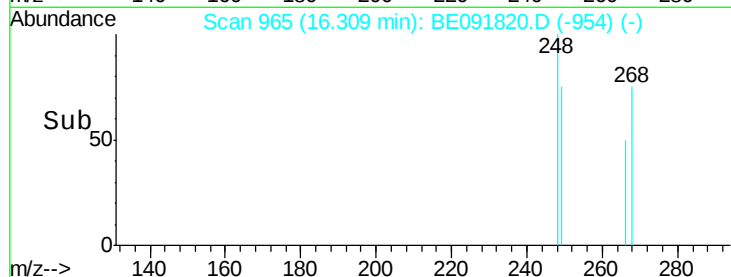
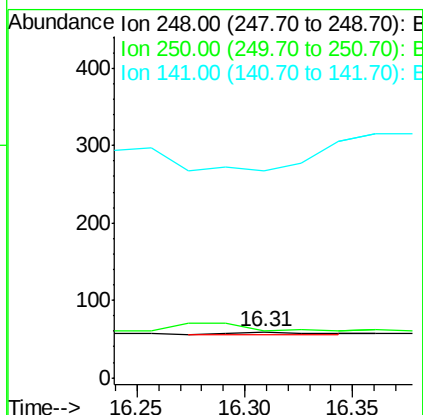
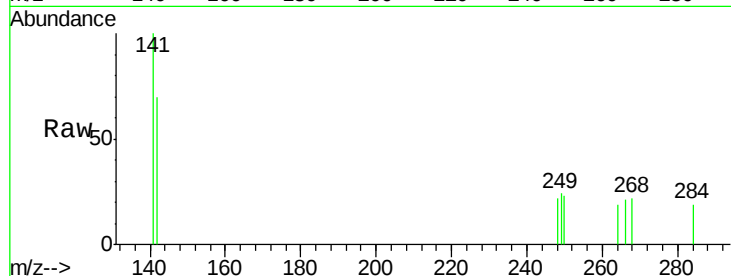




#20
4-Bromophenyl-phenylether
Concen: 0.00 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091820.D
Acq: 19 May 2016 21:21

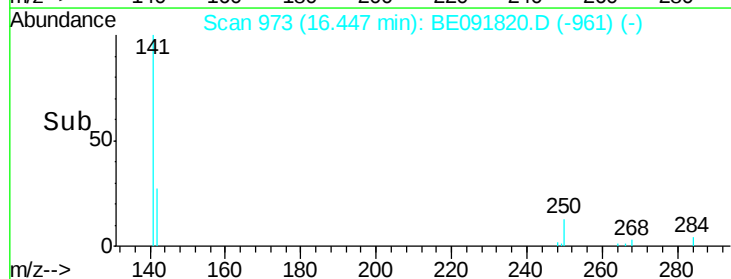
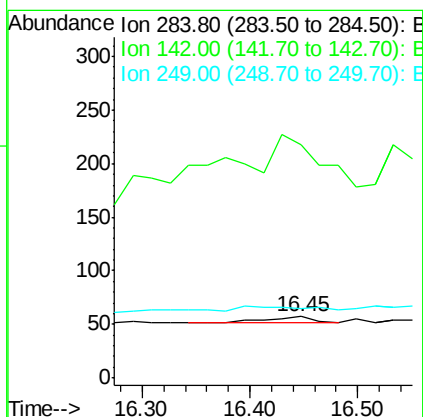
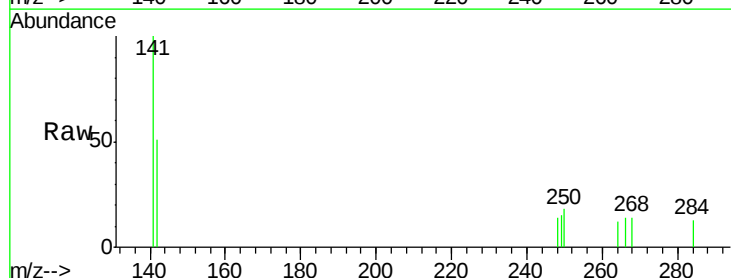
Instrument :
BNA_E
ClientSampleId :
LF001MW002-160512

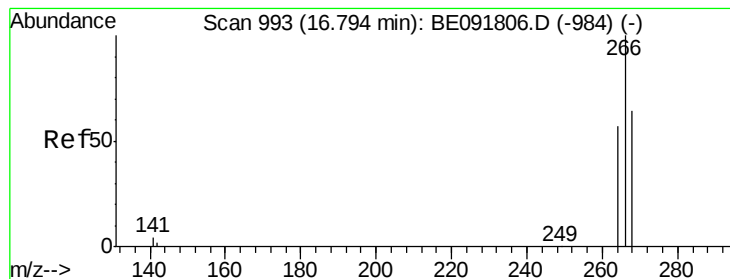
Tgt Ion:248 Resp: 8
Ion Ratio Lower Upper
248 100
250 337.5 80.5 120.7#
141 0.0 72.0 108.0#



#21
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091820.D
Acq: 19 May 2016 21:21

Tgt Ion:284 Resp: 22
Ion Ratio Lower Upper
284 100
142 659.1 32.2 48.2#
249 0.0 25.4 38.2#





#22

Pentachlorophenol

Concen: 0.01 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

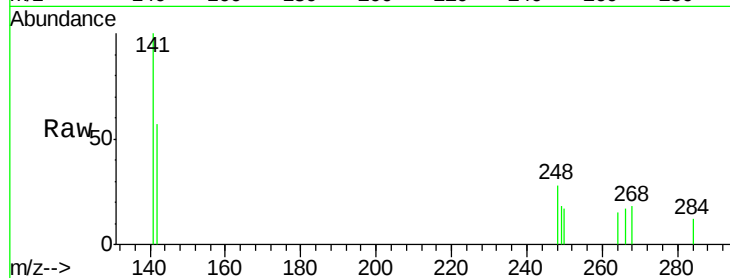
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 101.3 58.2 87.2#

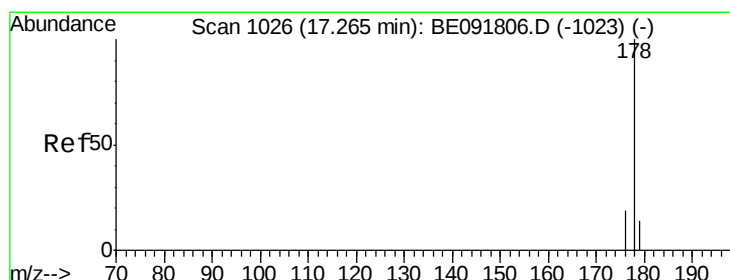
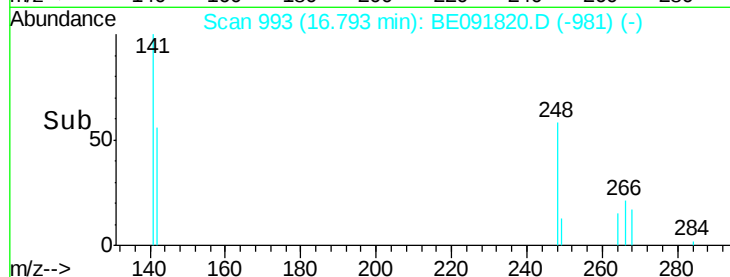
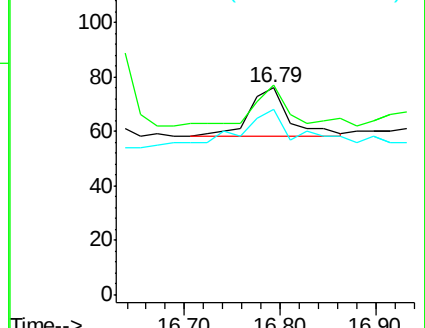
264 89.5 56.2 84.4#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#23

Phenanthrene

Concen: Below Cal

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

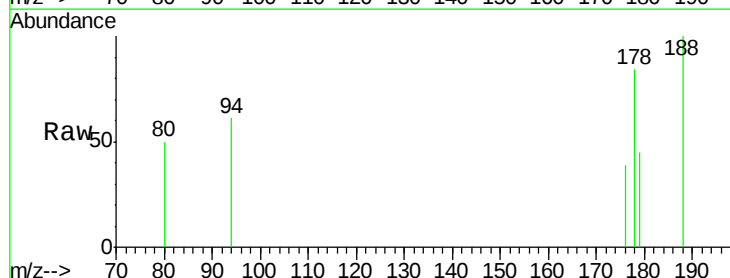
Tgt Ion:178 Resp: 1612

Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

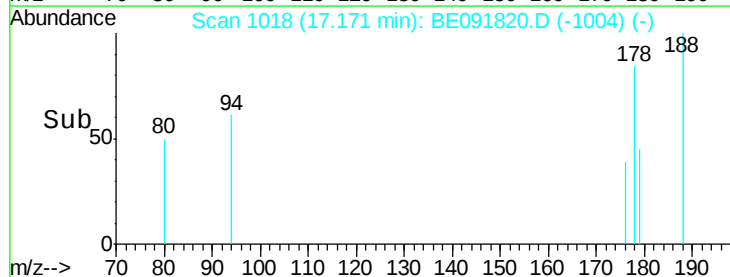
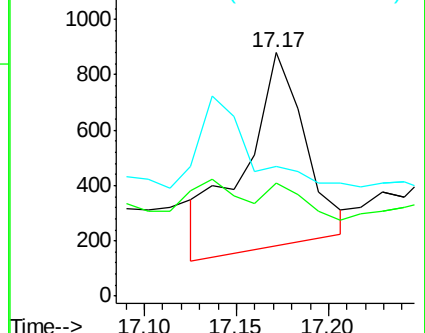
179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.01 ng

RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

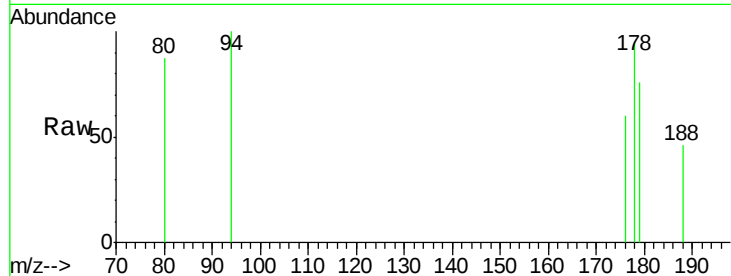
Tgt Ion:178 Resp: 522

Ion Ratio Lower Upper

178 100

176 40.2 14.6 21.8#

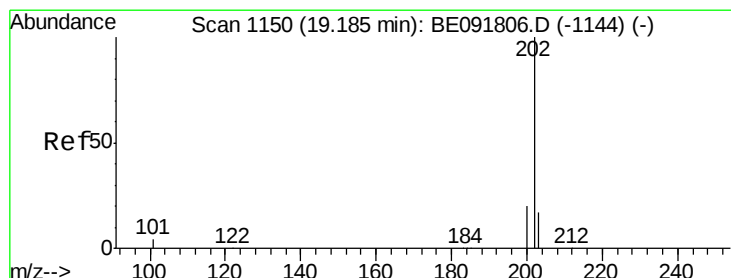
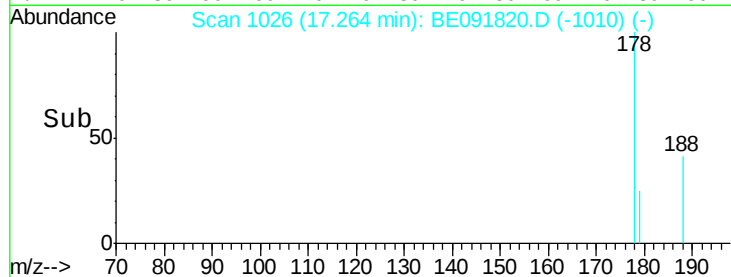
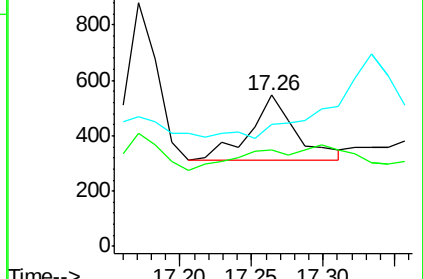
179 0.0 11.8 17.6#



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

Concen: 0.02 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

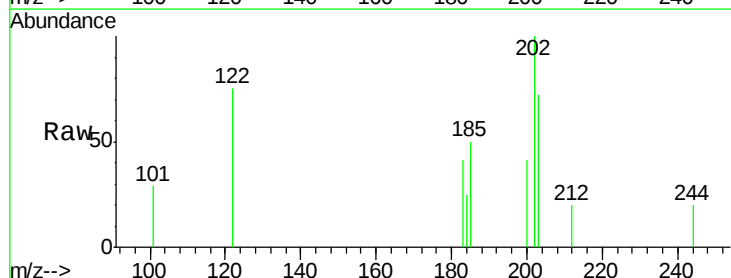
Tgt Ion:202 Resp: 1139

Ion Ratio Lower Upper

202 100

101 0.0 11.0 16.6#

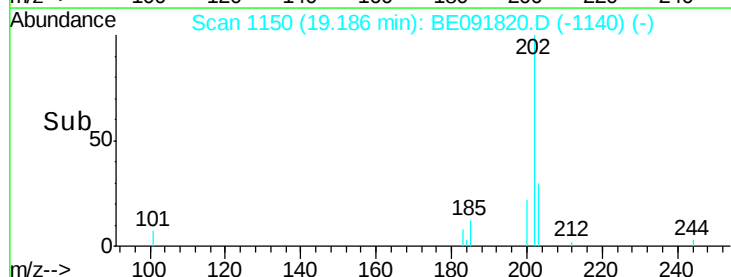
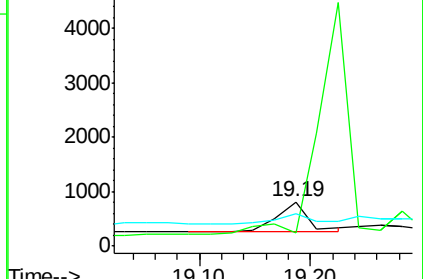
203 36.9 13.9 20.9#

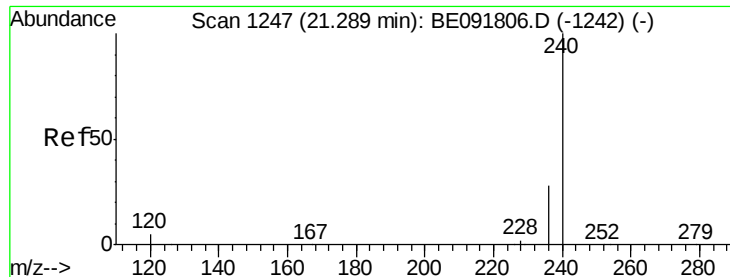


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

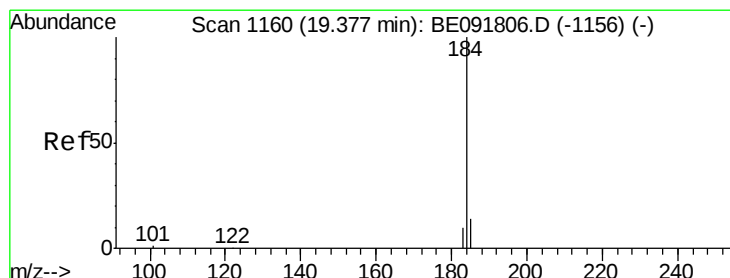
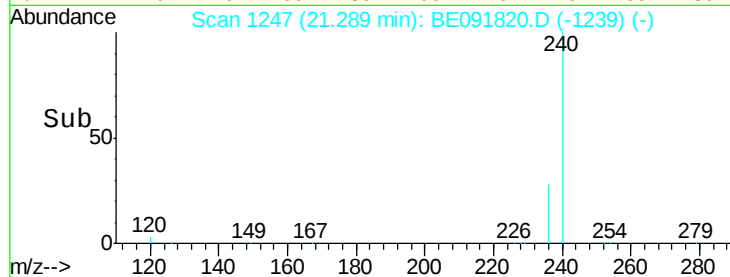
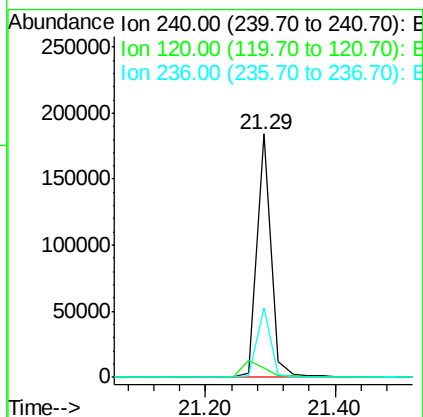
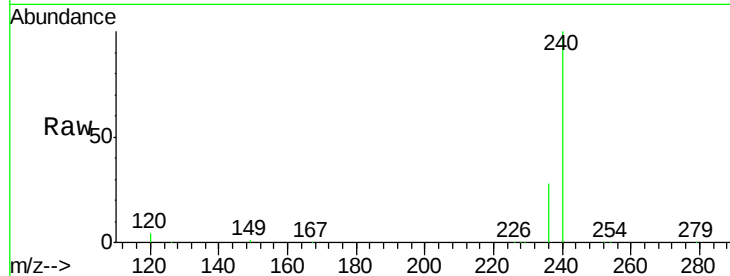




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091820.D
Acq: 19 May 2016 21:21

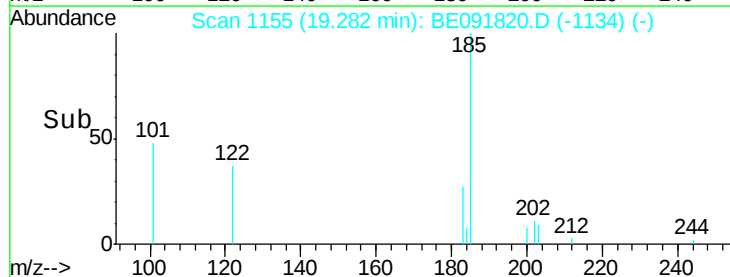
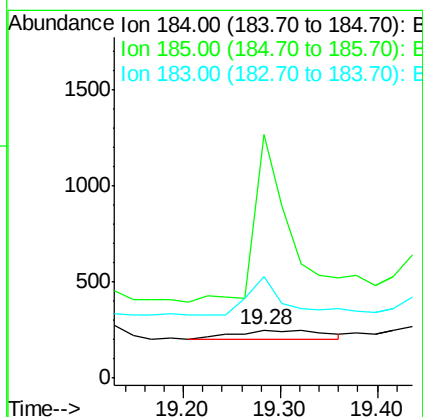
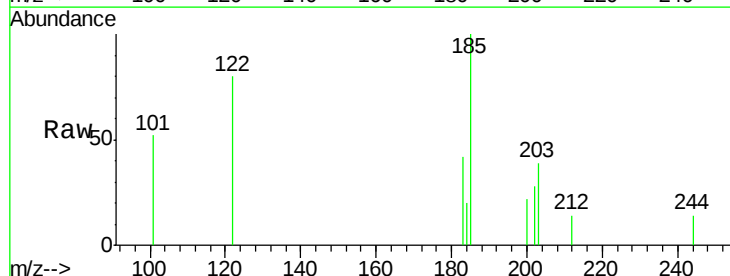
Instrument :
BNA_E
ClientSampleId :
LF001MW002-160512

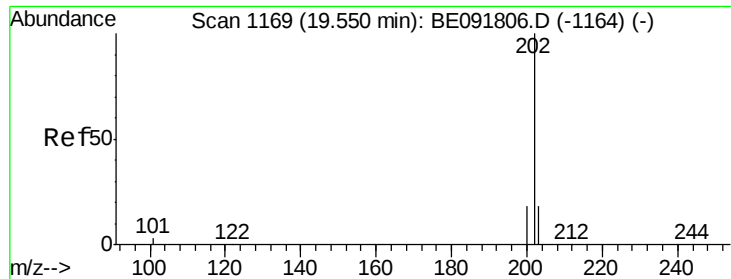
Tgt Ion: 240 Resp: 278676
Ion Ratio Lower Upper
240 100
120 3.9 11.0 16.4#
236 28.4 21.7 32.5



#27
Benzidine
Concen: Below Cal
RT: 19.28 min Scan# 1155
Delta R.T. -0.10 min
Lab File: BE091820.D
Acq: 19 May 2016 21:21

Tgt Ion: 184 Resp: 273
Ion Ratio Lower Upper
184 100
185 509.7 22.3 33.5#
183 213.7 16.4 24.6#





#28

Pyrene

Concen: 0.02 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

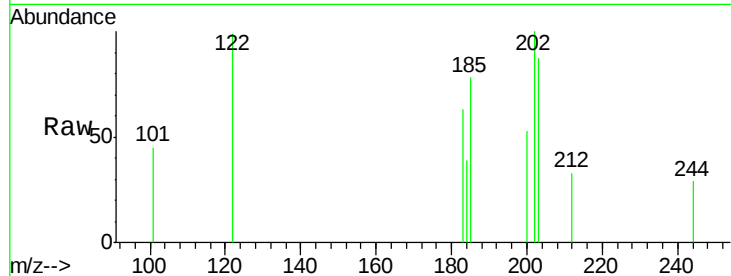
Tgt Ion:202 Resp: 1047

Ion Ratio Lower Upper

202 100

200 55.5 16.8 25.2#

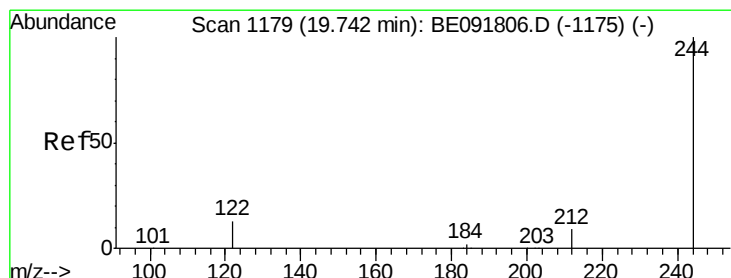
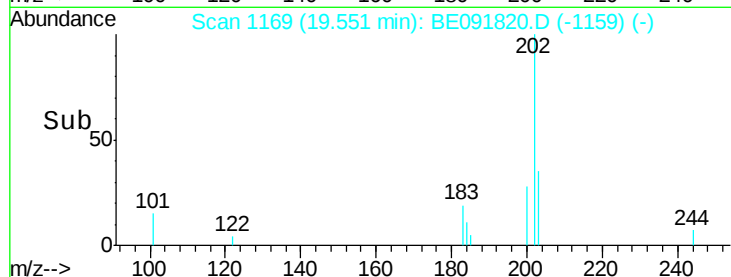
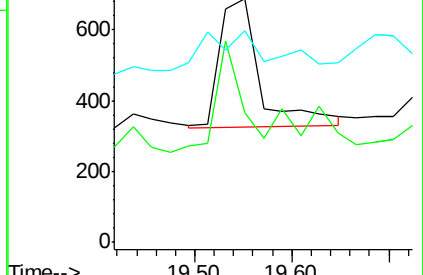
203 51.4 14.0 21.0#



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: 4.77 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

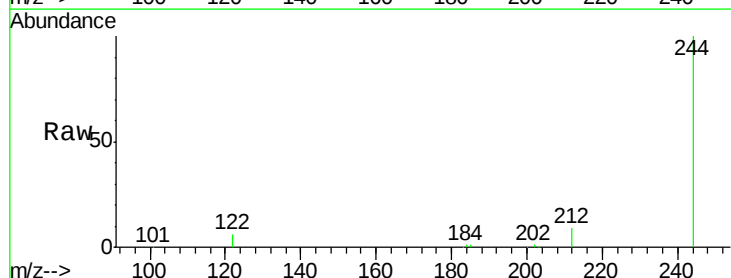
Tgt Ion:244 Resp: 188302

Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

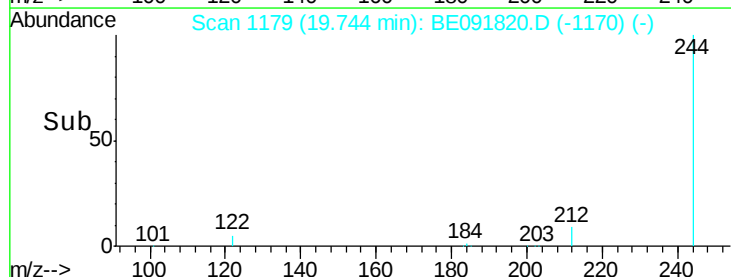
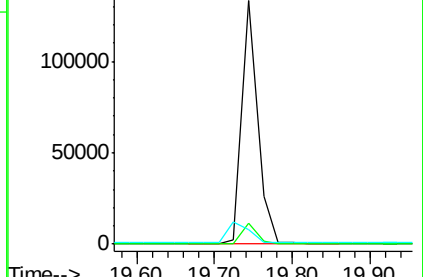
122 5.9 11.0 16.4#

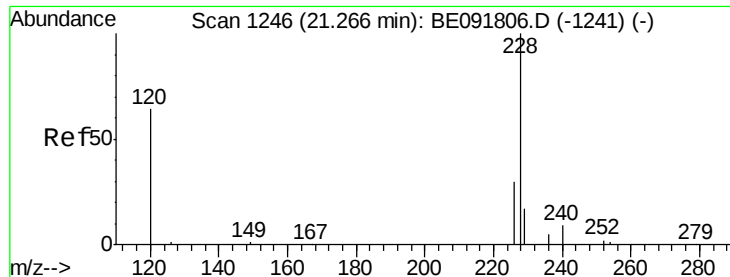


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

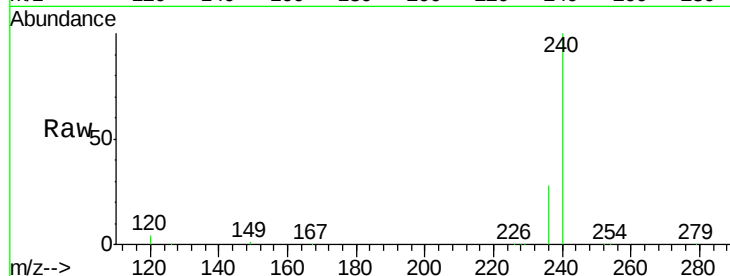
Tgt Ion: 228 Resp: 1823

Ion Ratio Lower Upper

228 100

226 40.5 21.0 31.4#

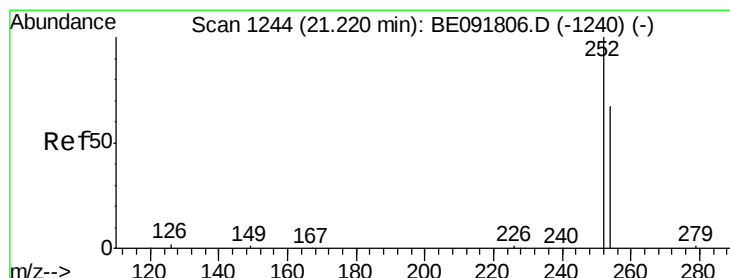
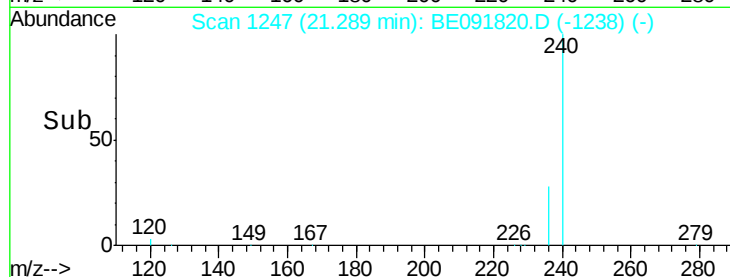
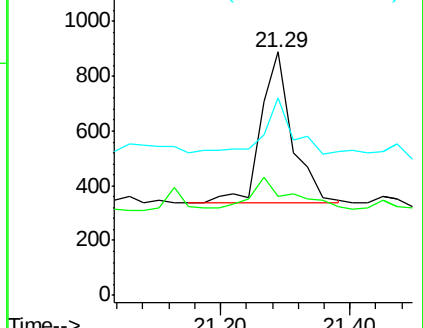
229 81.0 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

3,3'-Dichlorobenzidine

Concen: 0.01 ng

RT: 21.24 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

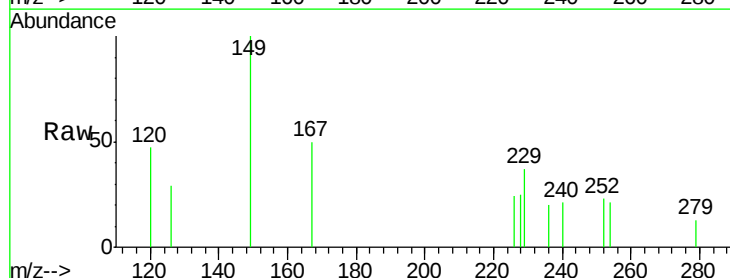
Tgt Ion: 252 Resp: 267

Ion Ratio Lower Upper

252 100

254 94.8 51.1 76.7#

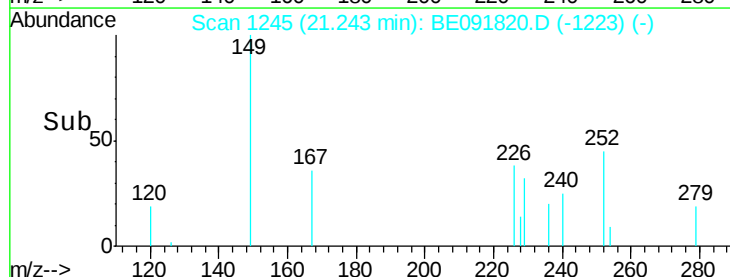
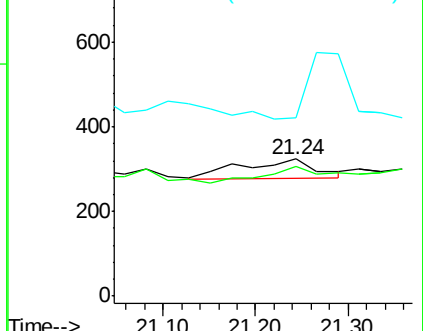
126 129.9 12.6 18.8#

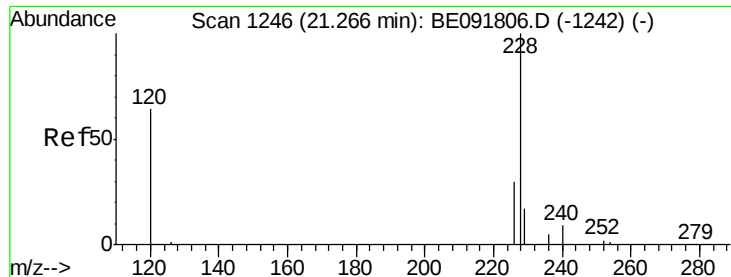


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.07 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

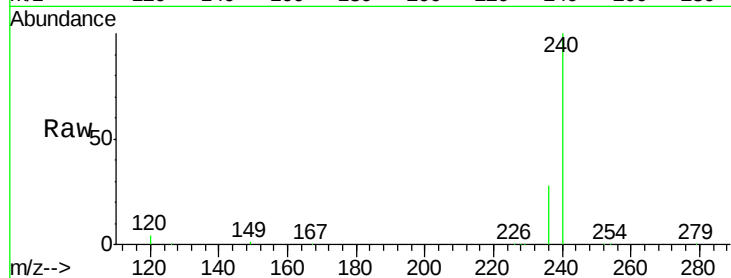
Tgt Ion:228 Resp: 1862

Ion Ratio Lower Upper

228 100

226 40.5 24.0 36.0#

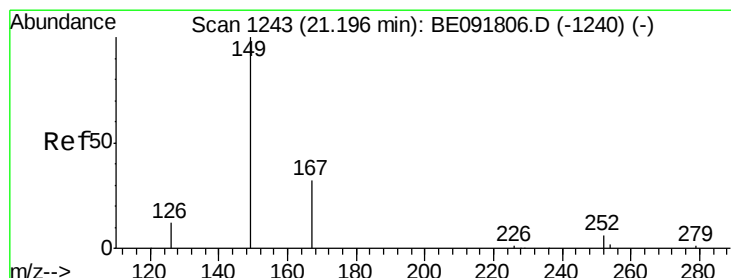
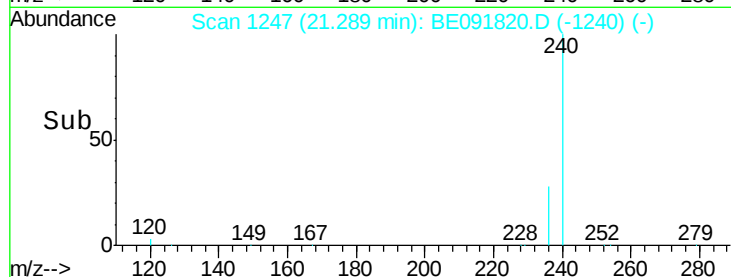
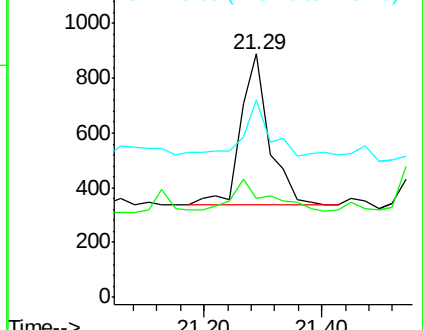
229 81.0 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.32 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

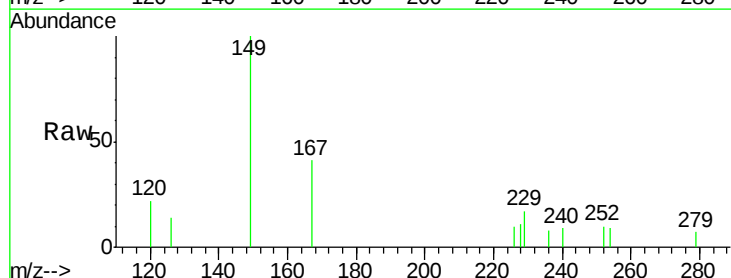
Tgt Ion:149 Resp: 3086

Ion Ratio Lower Upper

149 100

167 32.3 19.5 29.3#

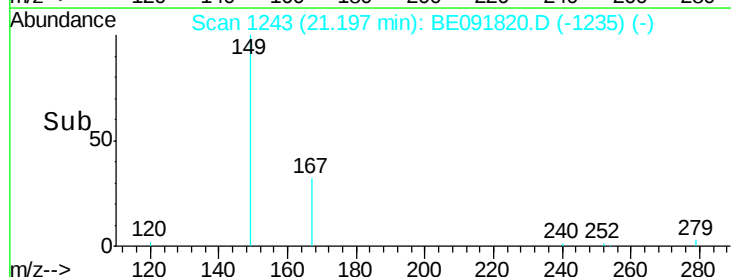
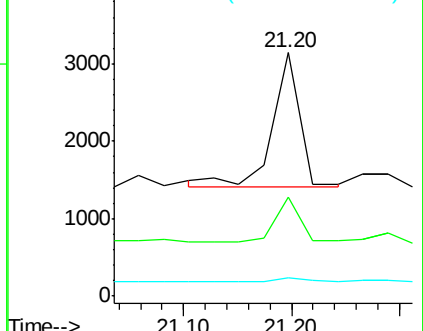
279 6.3 10.0 15.0#

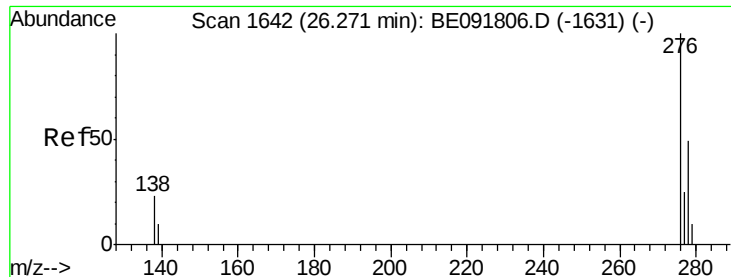


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

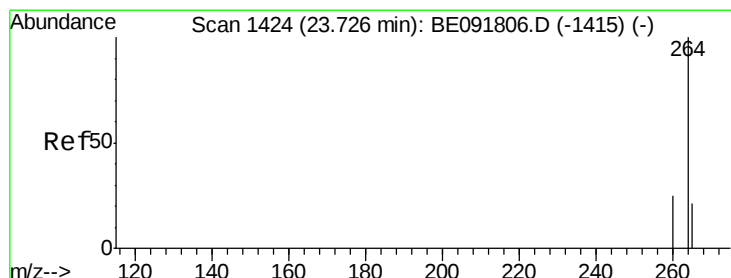
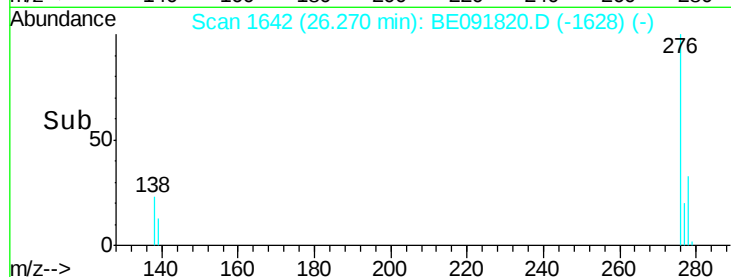
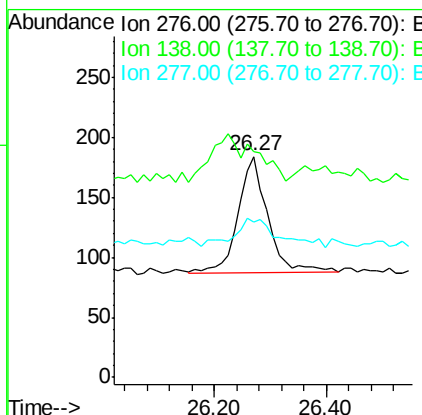
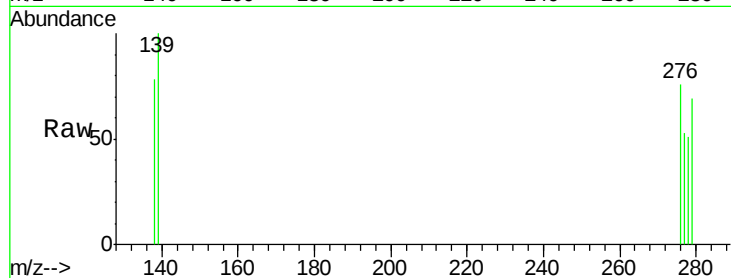




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 26.27 min Scan# 1642
 Delta R.T. -0.04 min
 Lab File: BE091820.D
 Acq: 19 May 2016 21:21

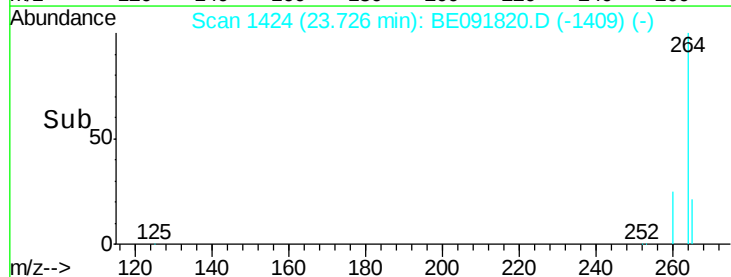
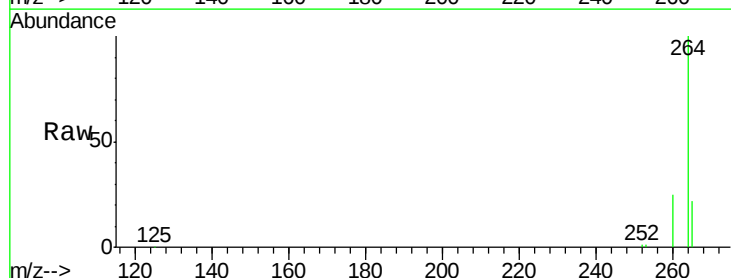
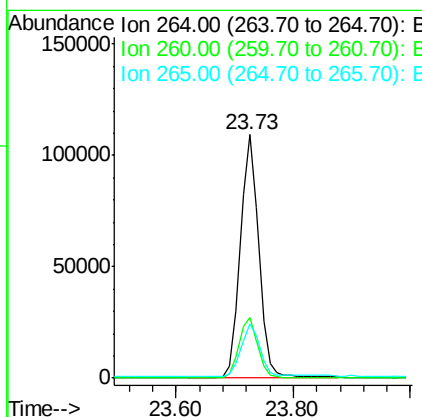
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-160512

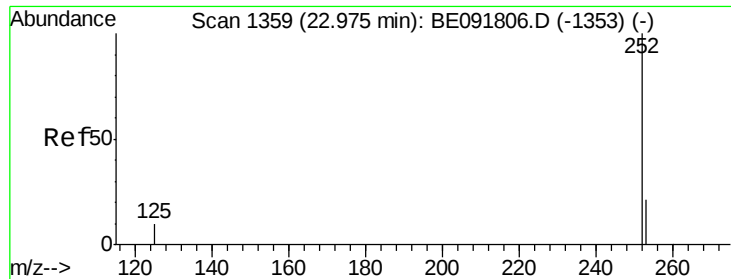
Tgt Ion: 276 Resp: 357
 Ion Ratio Lower Upper
 276 100
 138 0.0 23.4 35.2#
 277 33.3 19.8 29.8#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091820.D
 Acq: 19 May 2016 21:21

Tgt Ion: 264 Resp: 239044
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.0 30.0
 265 22.2 17.5 26.3





#36

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 22.97 min Scan# 1359

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

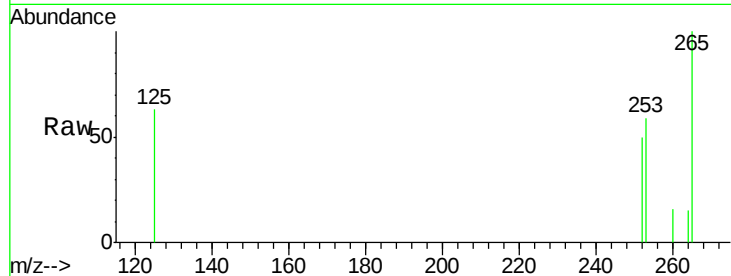
Tgt Ion:252 Resp: 480

Ion Ratio Lower Upper

252 100

253 117.4 17.4 26.0#

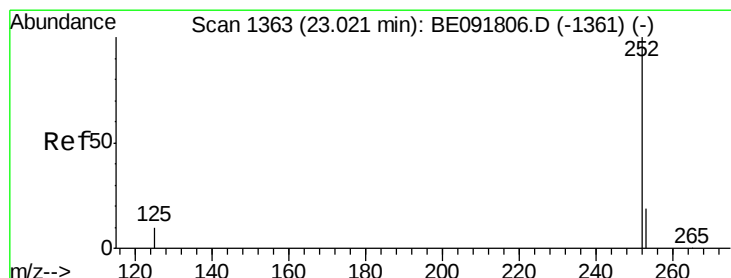
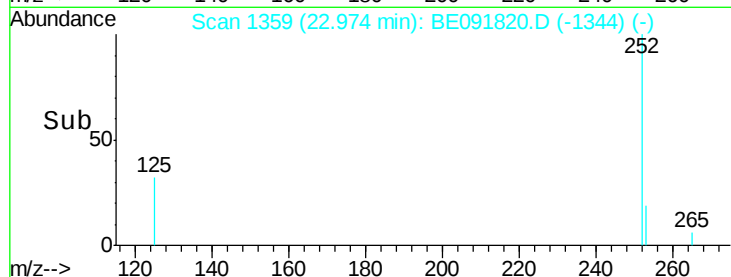
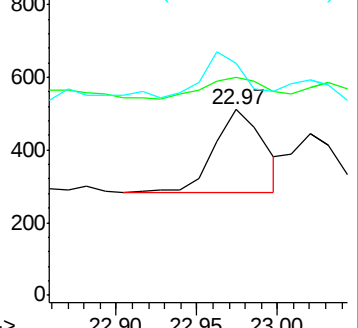
125 125.0 10.2 15.2#



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



#37

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.97 min Scan# 1359

Delta R.T. -0.07 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

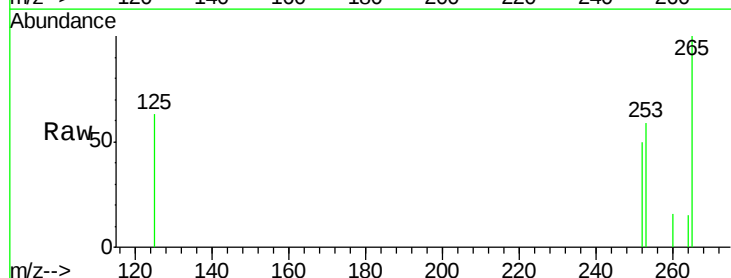
Tgt Ion:252 Resp: 480

Ion Ratio Lower Upper

252 100

253 117.4 17.6 26.4#

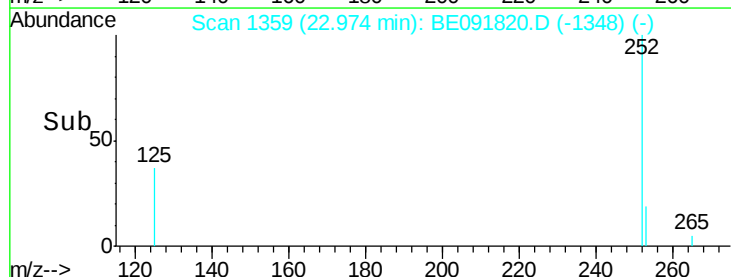
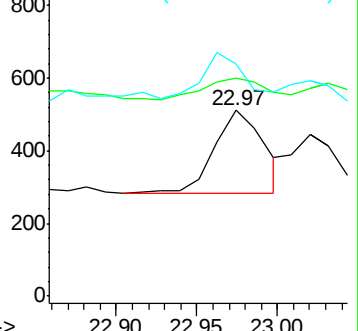
125 125.0 9.9 14.9#

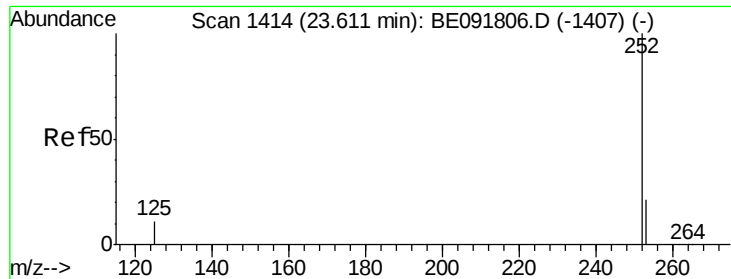


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512

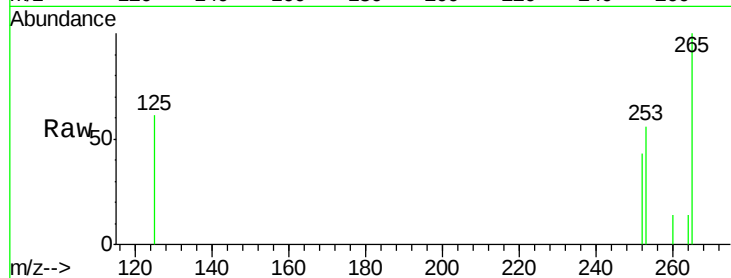
Tgt Ion:252 Resp: 348

Ion Ratio Lower Upper

252 100

253 130.7 18.1 27.1#

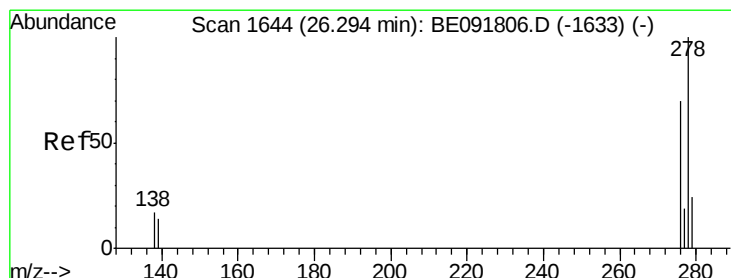
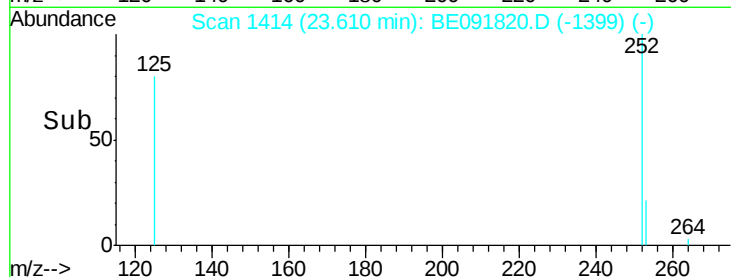
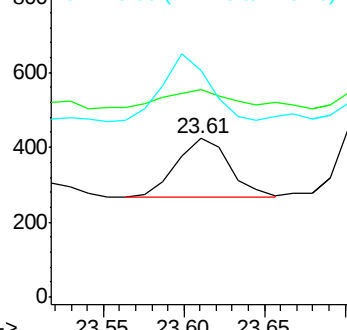
125 142.7 11.0 16.4#



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



#39

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091820.D

Acq: 19 May 2016 21:21

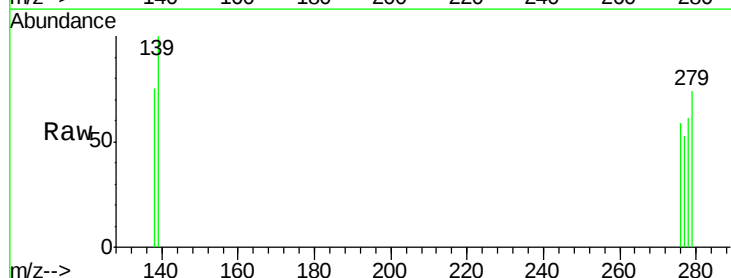
Tgt Ion:278 Resp: 219

Ion Ratio Lower Upper

278 100

139 163.4 16.0 24.0#

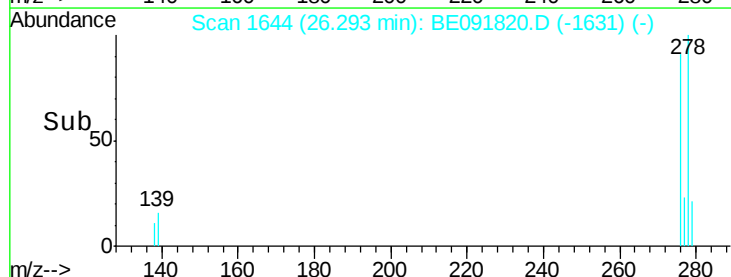
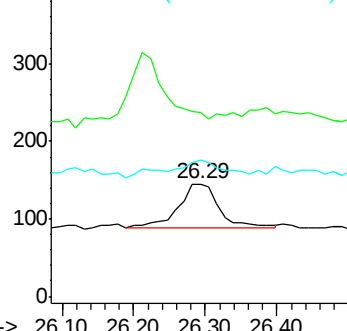
279 121.4 19.4 29.2#

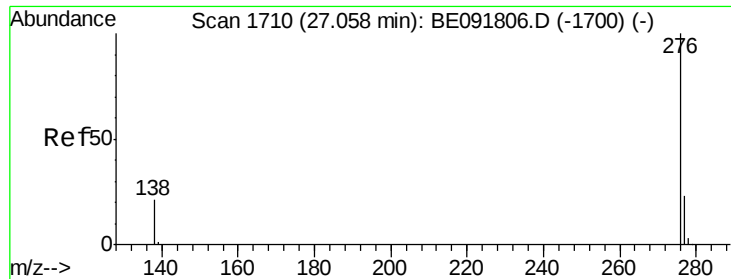


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091820.D

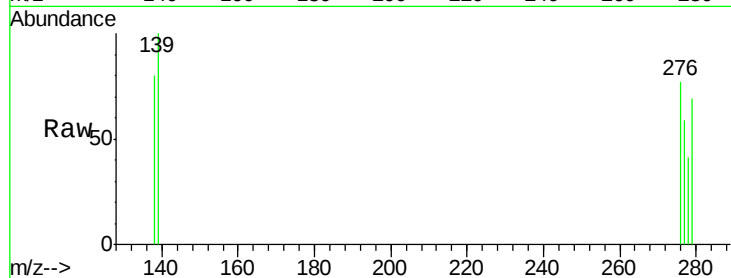
Acq: 19 May 2016 21:21

Instrument :

BNA_E

ClientSampleId :

LF001MW002-160512



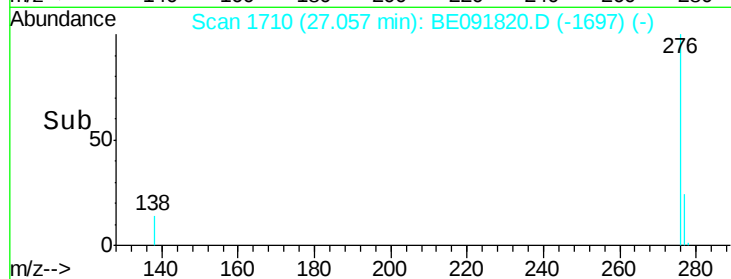
Tgt Ion: 276 Resp: 301

Ion Ratio Lower Upper

276 100

277 76.6 18.6 28.0#

138 104.2 20.4 30.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

