

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091826.D
 Acq On : 20 May 2016 1:05
 Operator : UM/SJ
 Sample : H3084-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW003-160512

Quant Time: May 20 04:51:51 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	22790	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	120314	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	82964	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	251095	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	268538	5.00	ng	-0.02
35) Perylene-d12	23.73	264	238410	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	18591	3.12	ng	0.00
5) Phenol-d6	6.97	99	20702	2.47	ng	0.02
8) Nitrobenzene-d5	8.95	82	29650	3.72	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	31370	9.74	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	90531	3.86	ng	-0.01
29) Terphenyl-d14	19.74	244	178850	4.70	ng	-0.02

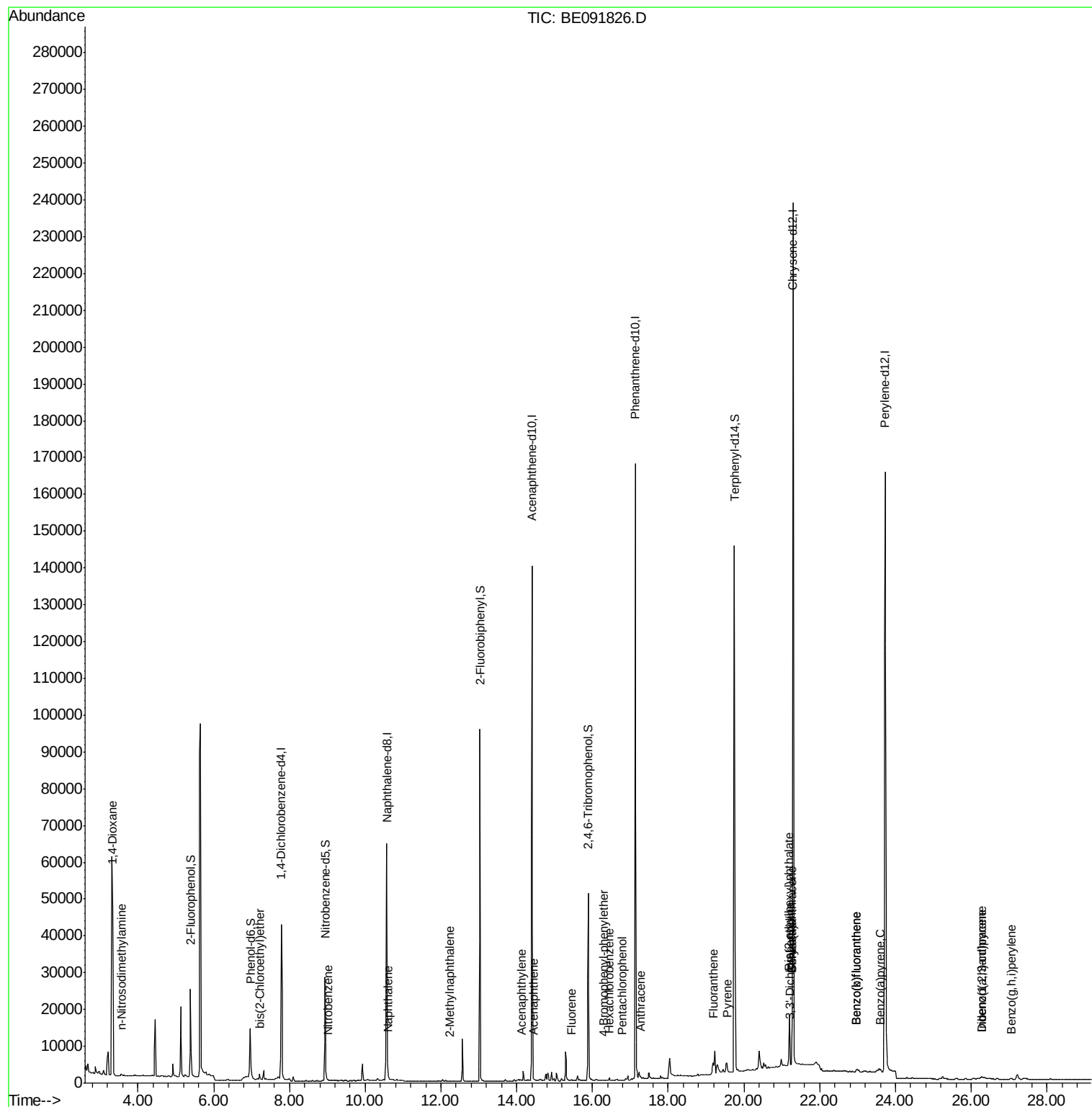
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	46584	18.83	ng	# 91
3) n-Nitrosodimethylamine	3.56	42	233	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.21	93	1588	0.24	ng	# 89
9) Nitrobenzene	9.03	77	28	0.00	ng	# 90
10) Naphthalene	10.61	128	316	0.01	ng	# 27
12) 2-Methylnaphthalene	12.23	142	117	0.01	ng	# 48
16) Acenaphthylene	14.12	152	736	0.02	ng	# 72
17) Acenaphthene	14.46	154	115	0.01	ng	# 84
18) Fluorene	15.45	166	268	0.01	ng	# 83
20) 4-Bromophenyl-phenylether	16.29	248	26	0.00	ng	# 2
21) Hexachlorobenzene	16.45	284	24	0.00	ng	# 1
22) Pentachlorophenol	16.79	266	49	0.01	ng	# 77
23) Phenanthrene	17.17	178	2359	Below Cal		# 92
24) Anthracene	17.26	178	714	0.01	ng	# 81
25) Fluoranthene	19.19	202	3130	0.05	ng	# 76
27) Benzdine	19.32	184	421	Below Cal		# 1
28) Pyrene	19.55	202	2793	0.05	ng	# 86
30) Benzo(a)anthracene	21.27	228	3055	0.05	ng	# 47
31) 3,3'-Dichlorobenzidine	21.22	252	459	0.01	ng	# 40
32) Chrysene	21.27	228	3048	0.09	ng	# 54
33) Bis(2-ethylhexyl)phthalate	21.20	149	15954	0.66	ng	# 83
34) Indeno(1,2,3-cd)pyrene	26.27	276	668	0.01	ng	# 1
36) Benzo(b)fluoranthene	22.97	252	1704	0.03	ng	# 1
37) Benzo(k)fluoranthene	22.97	252	1704	0.03	ng	# 1
38) Benzo(a)pyrene	23.61	252	824	0.01	ng	# 1
39) Dibenzo(a,h)anthracene	26.28	278	357	0.01	ng	# 1
40) Benzo(g,h,i)perylene	27.06	276	547	0.01	ng	# 1

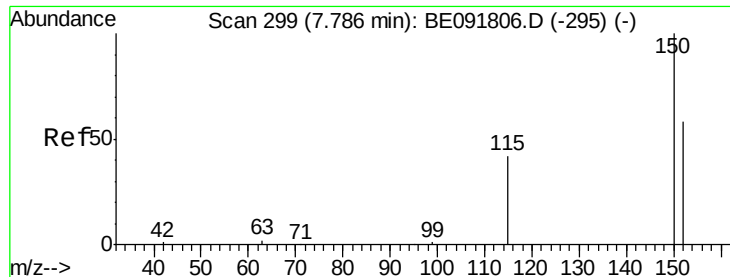
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

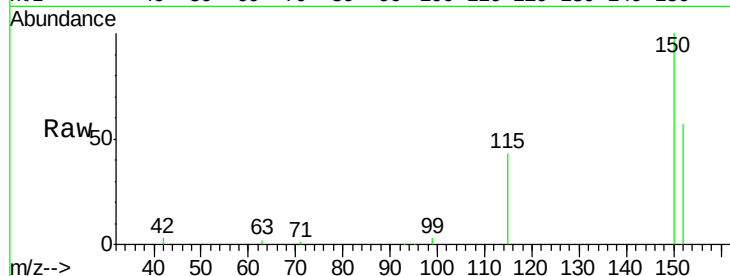
Tgt Ion:152 Resp: 22790

Ion Ratio Lower Upper

152 100

150 175.3 122.6 183.8

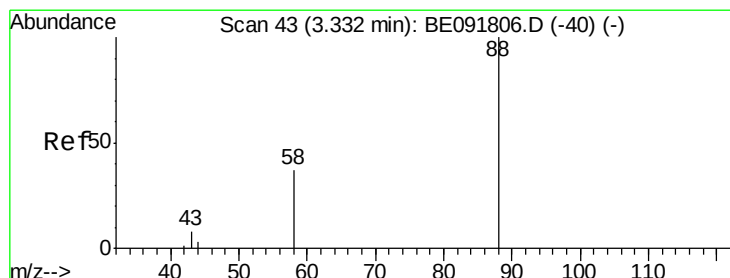
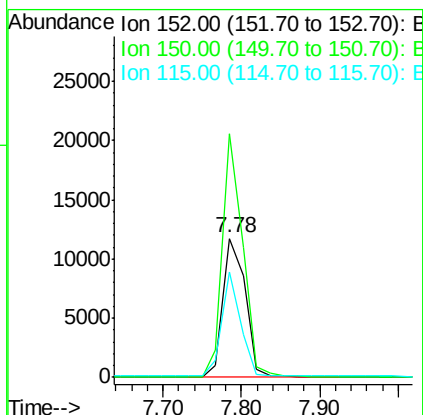
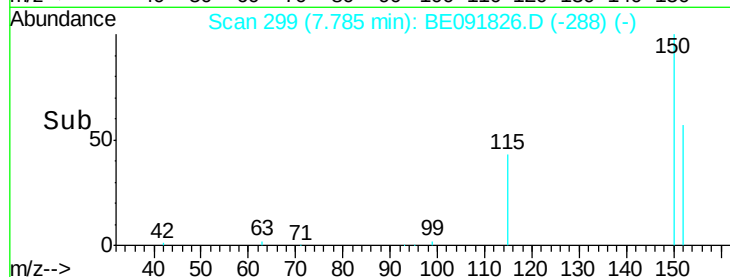
115 76.1 52.8 79.2



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: 18.83 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

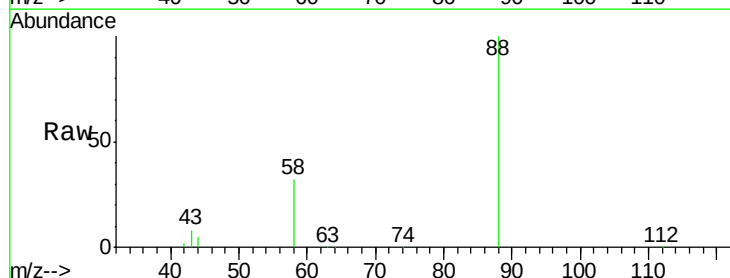
Tgt Ion: 88 Resp: 46584

Ion Ratio Lower Upper

88 100

58 89.5 65.8 98.6

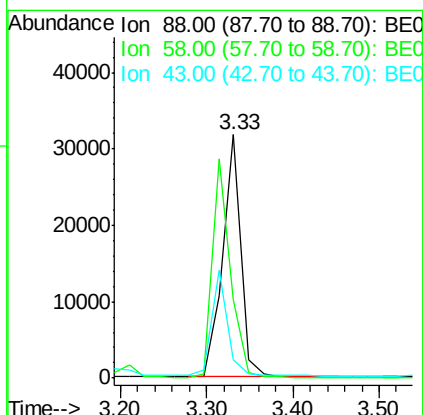
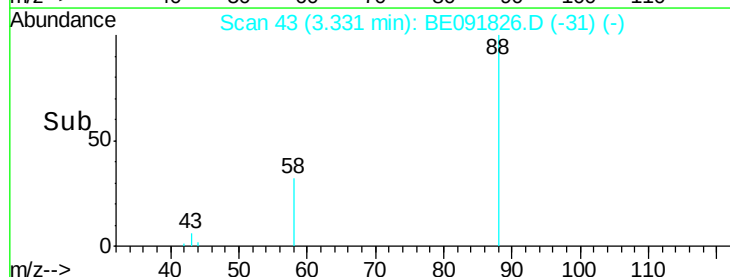
43 38.1 25.3 37.9#

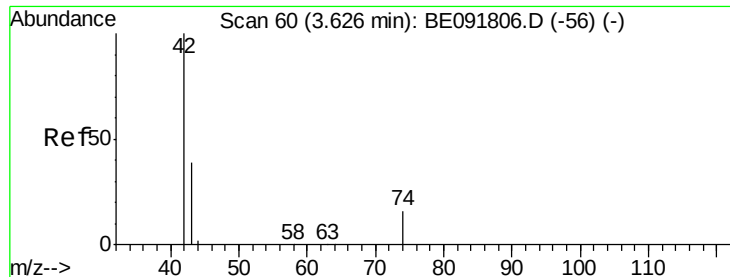


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.56 min Scan# 56

Delta R.T. -0.07 min

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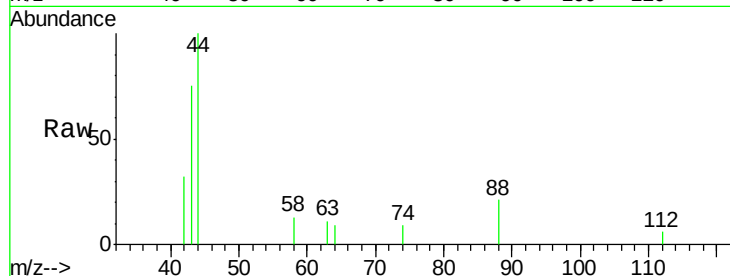
Tgt Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

74 11.2 87.9 131.9#

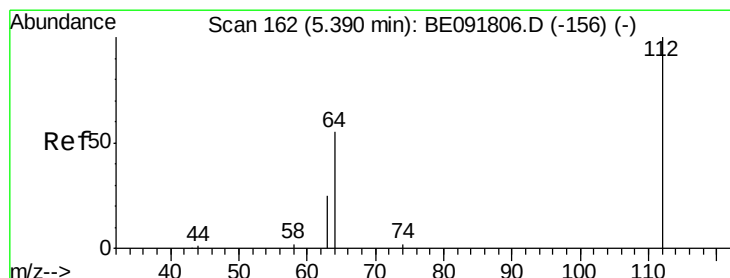
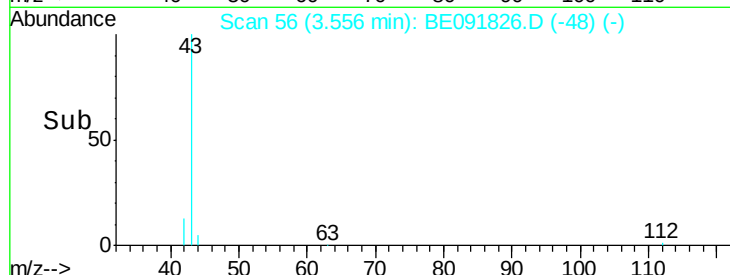
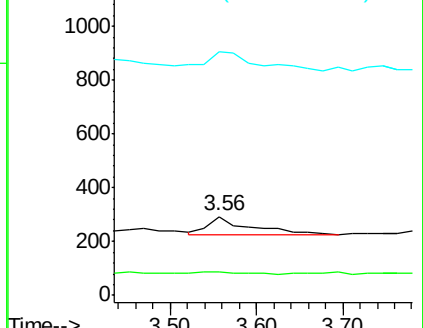
44 131.3 6.6 9.8#



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: 3.12 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

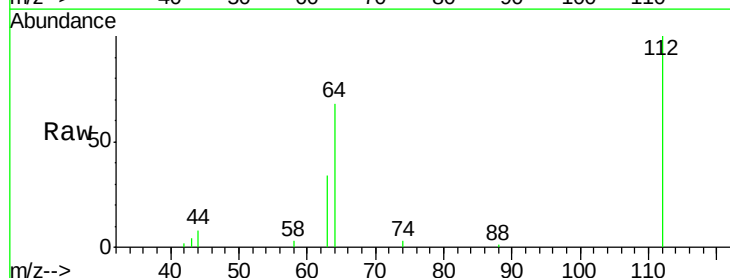
Tgt Ion: 112 Resp: 18591

Ion Ratio Lower Upper

112 100

64 67.9 30.9 46.3#

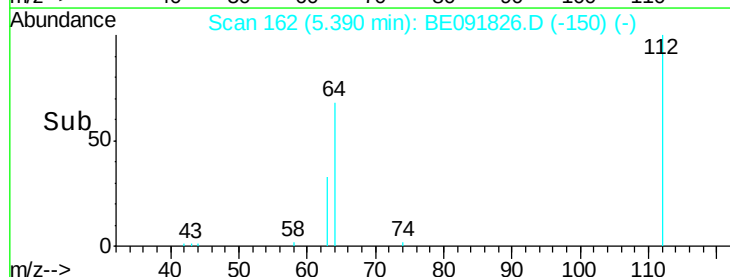
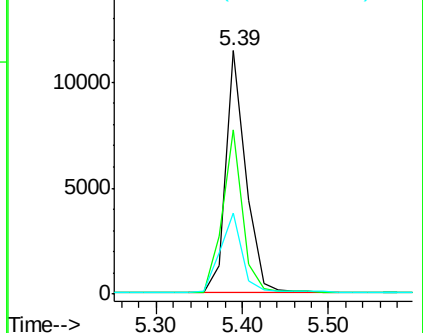
63 36.1 16.7 25.1#

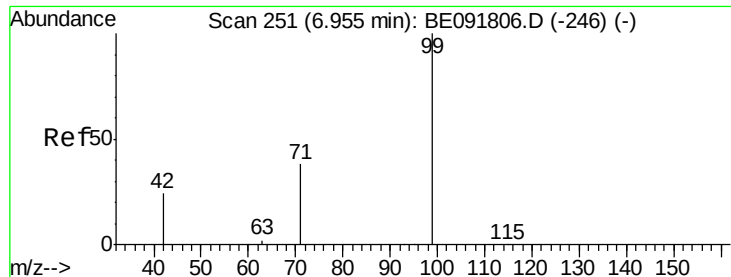


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.47 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

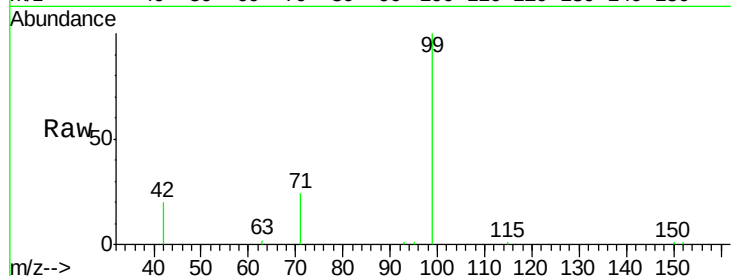
Tgt Ion: 99 Resp: 20702

Ion Ratio Lower Upper

99 100

42 66.7 16.2 24.2#

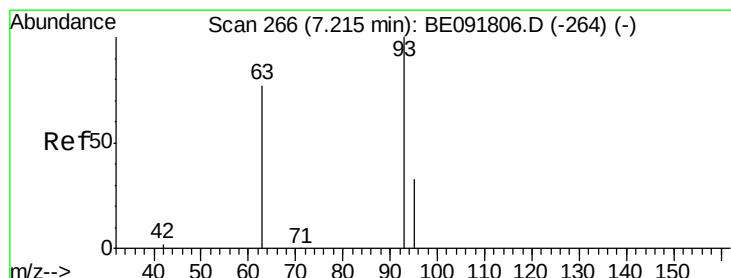
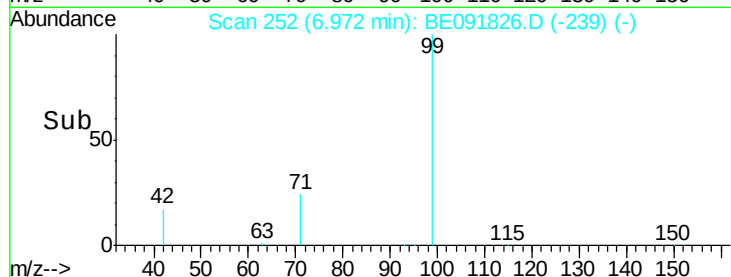
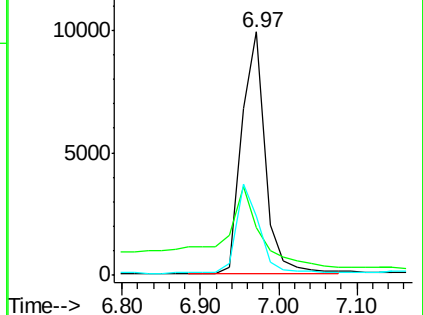
71 36.2 29.0 43.4



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: 0.24 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

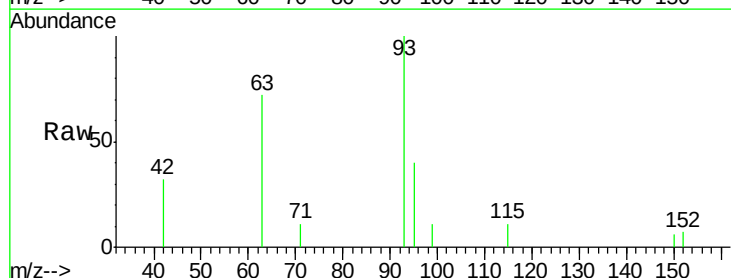
Tgt Ion: 93 Resp: 1588

Ion Ratio Lower Upper

93 100

63 73.2 49.5 74.3

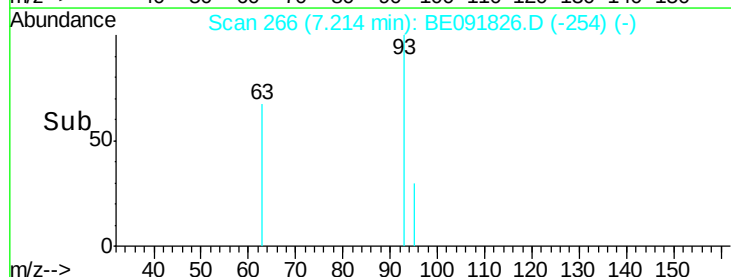
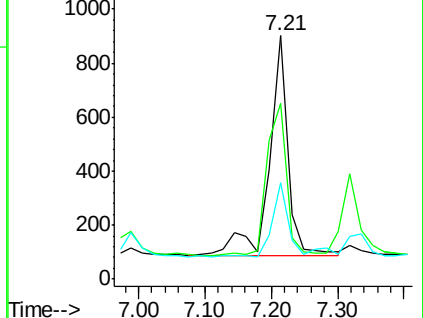
95 29.7 22.2 33.4

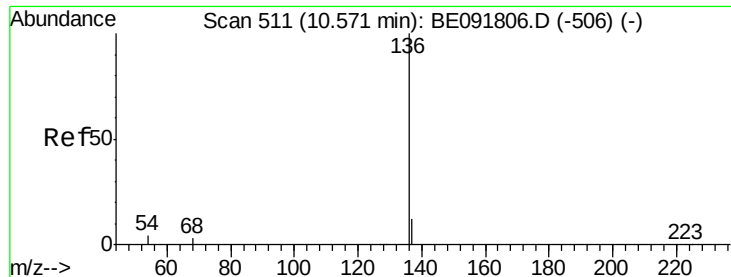


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

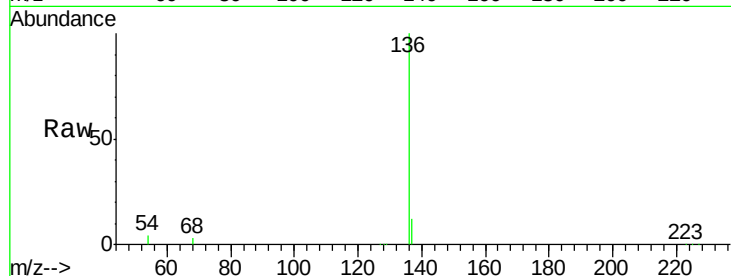
Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

Tgt Ion:	136	Resp:	120314
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.9	13.3
54	3.8	8.2	12.4#
68	3.4	6.2	9.4#

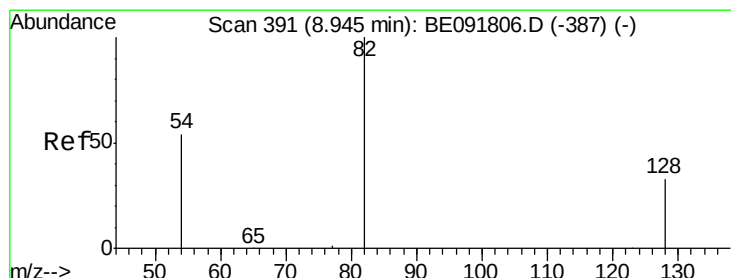
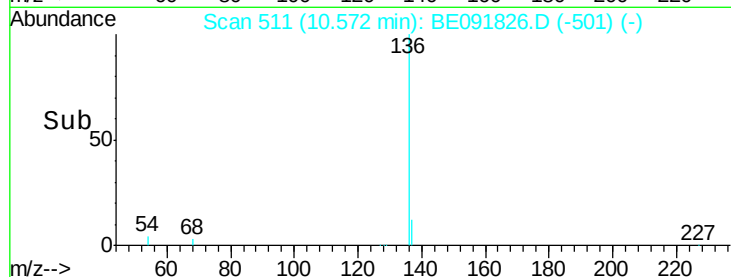
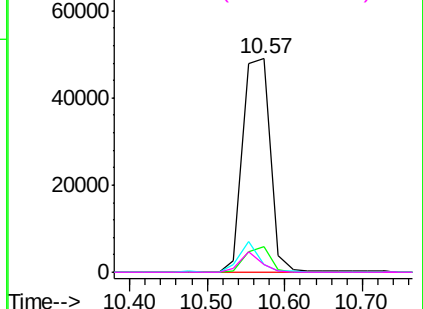


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.72 ng

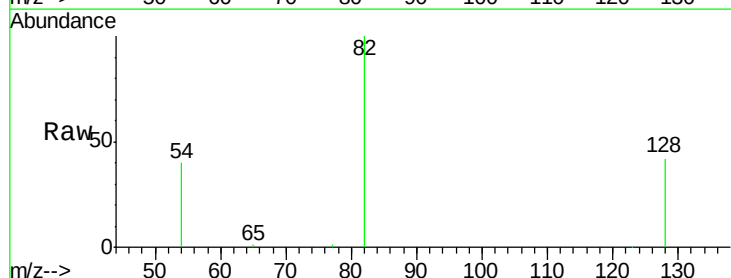
RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

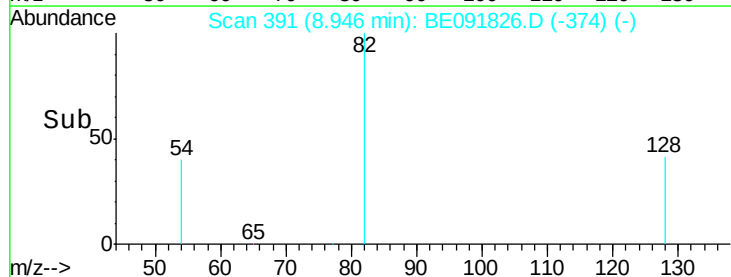
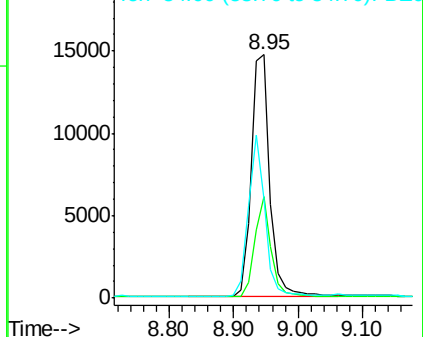
Tgt Ion:	82	Resp:	29650
Ion	Ratio	Lower	Upper
82	100		
128	41.5	25.4	38.0#
54	40.4	48.4	72.6#

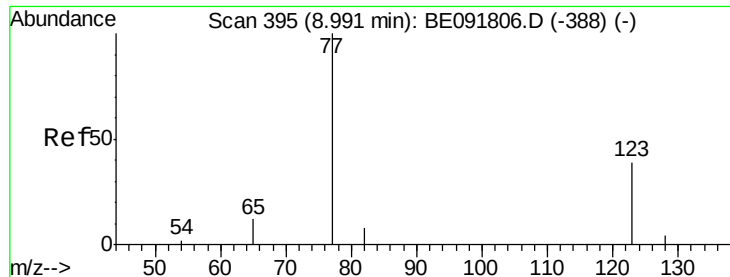


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.00 ng

RT: 9.03 min Scan# 398

Delta R.T. 0.03 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

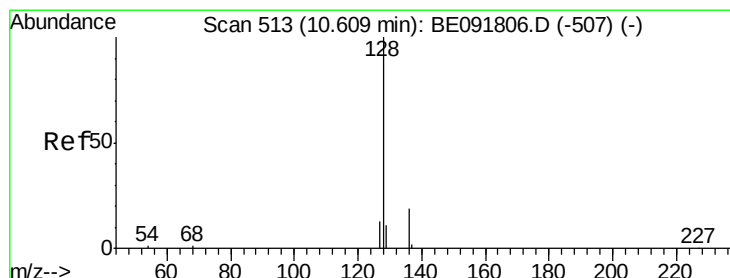
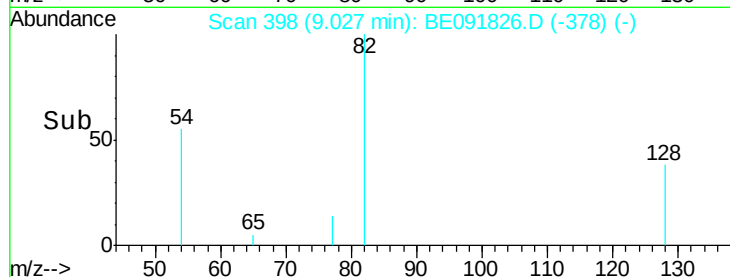
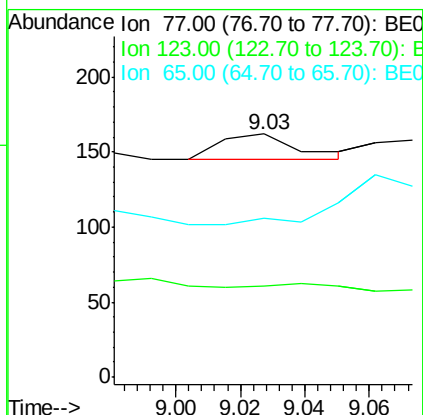
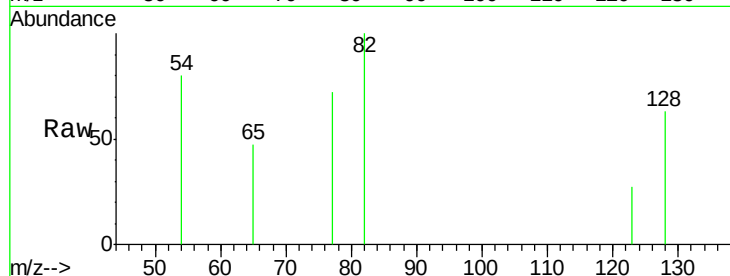
Tgt Ion: 77 Resp: 28

Ion Ratio Lower Upper

77 100

123 32.1 26.9 40.3

65 0.0 9.4 14.2#



#10

Naphthalene

Concen: 0.01 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

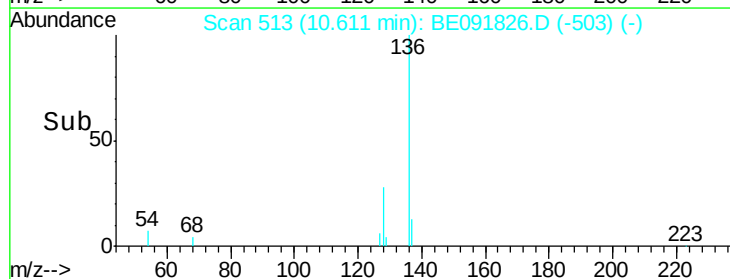
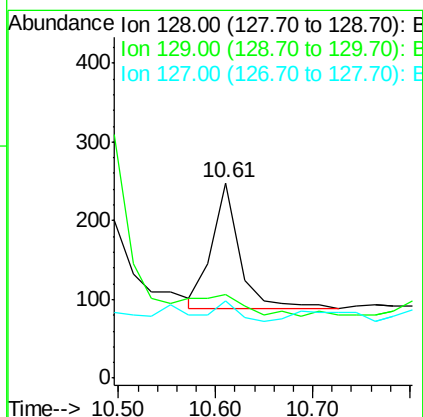
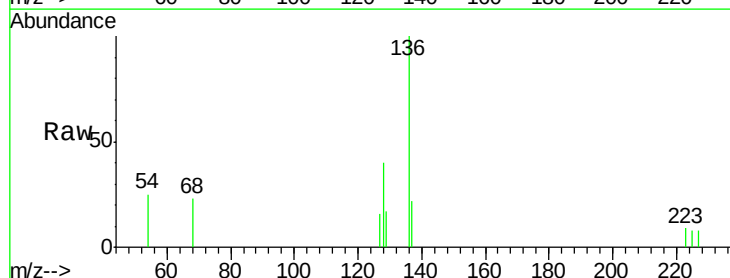
Tgt Ion: 128 Resp: 316

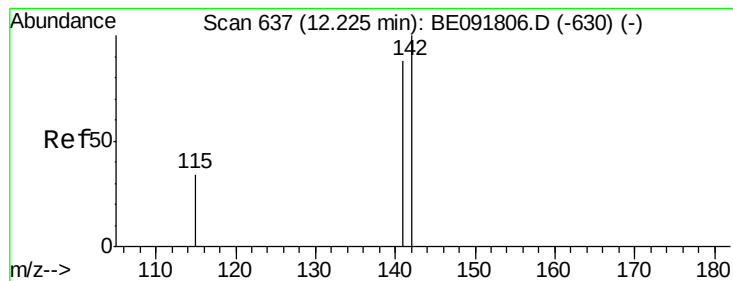
Ion Ratio Lower Upper

128 100

129 43.1 9.3 13.9#

127 39.9 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: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

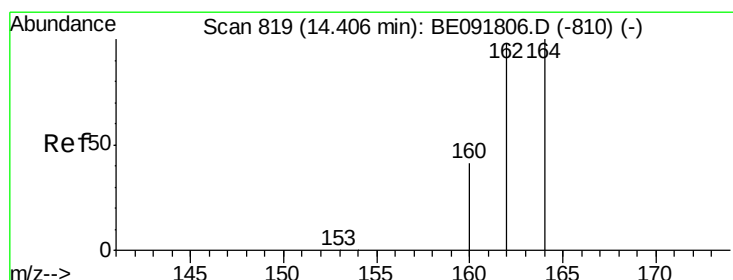
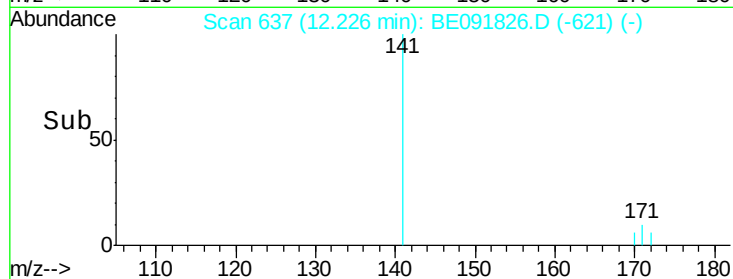
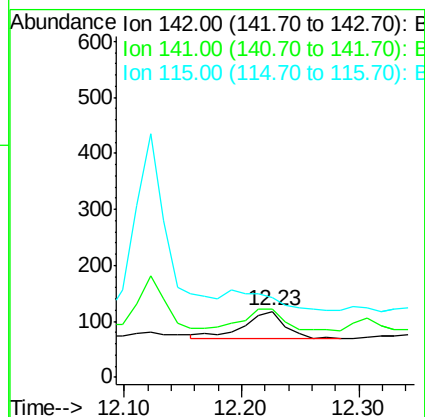
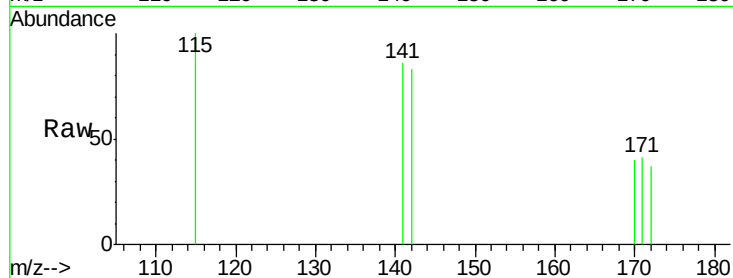
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

141 104.2 71.4 107.0

115 121.2 30.3 45.5#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

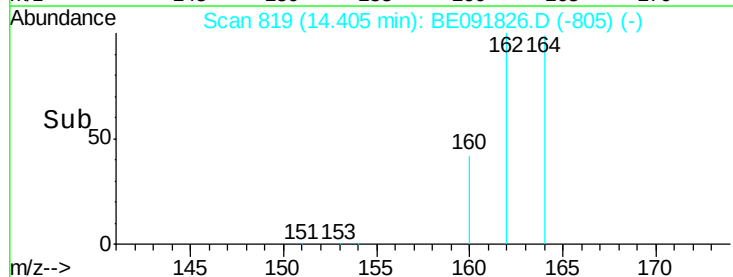
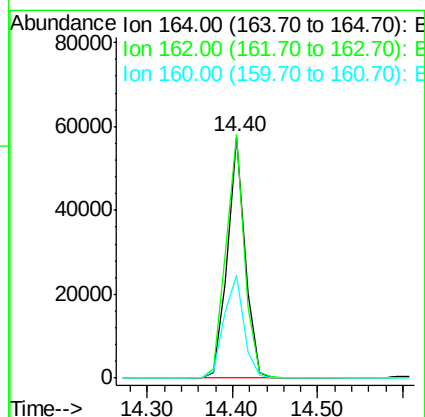
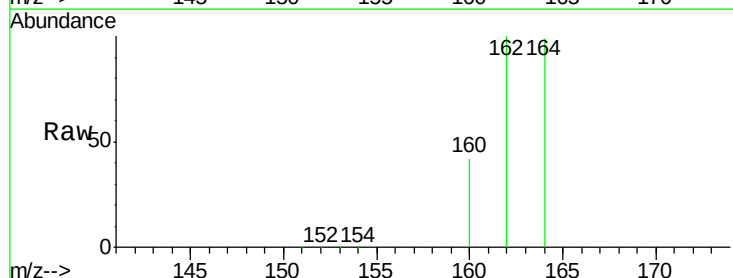
Tgt Ion:164 Resp: 82964

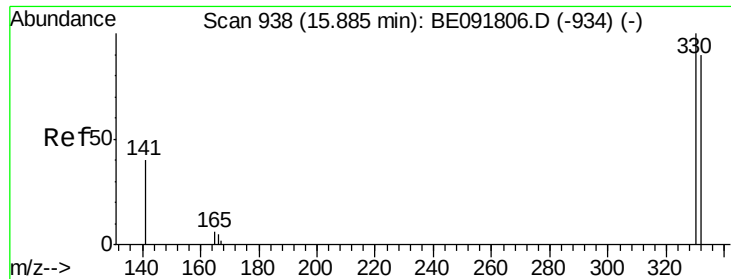
Ion Ratio Lower Upper

164 100

162 101.0 85.3 127.9

160 42.5 46.2 69.2#

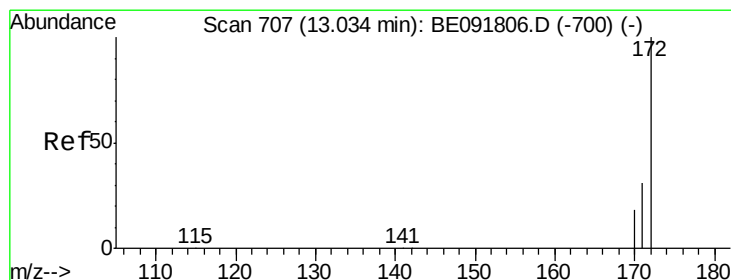
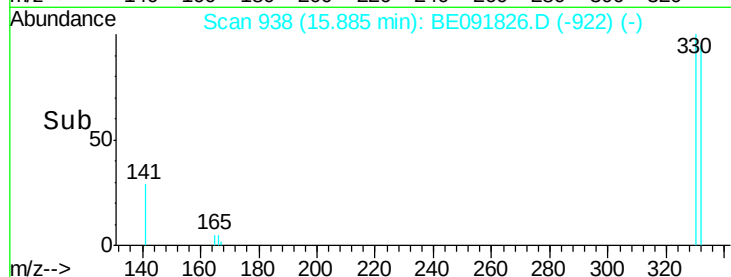
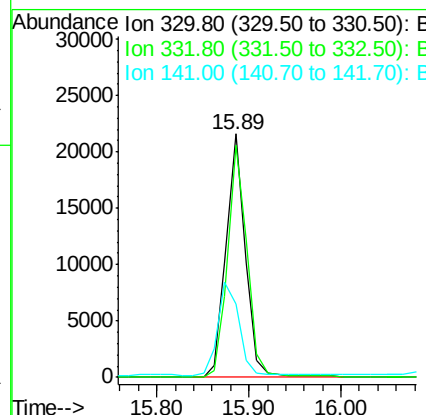
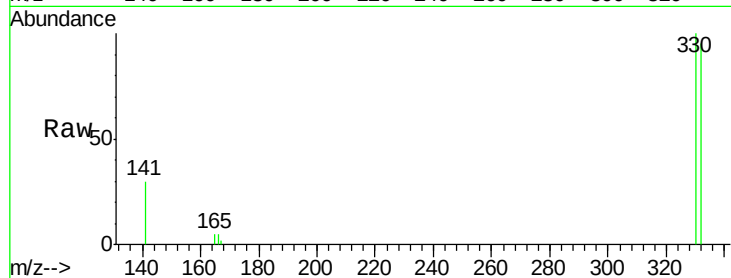




#14
 2,4,6-Tribromophenol
 Concen: 9.74 ng
 RT: 15.89 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

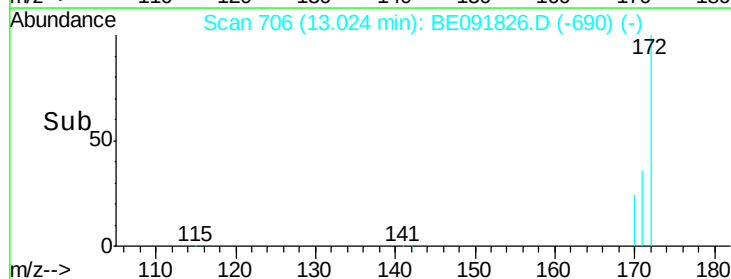
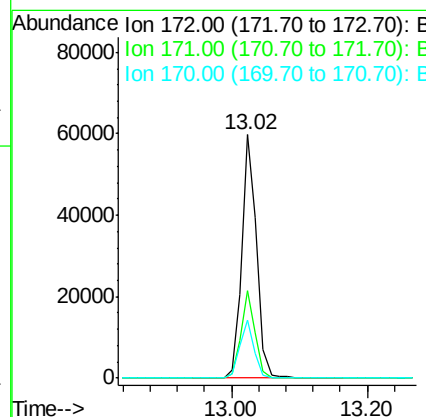
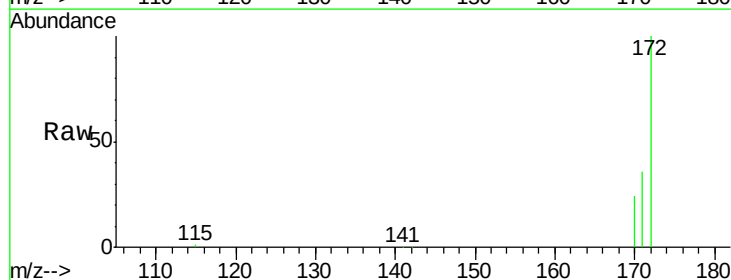
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW003-160512

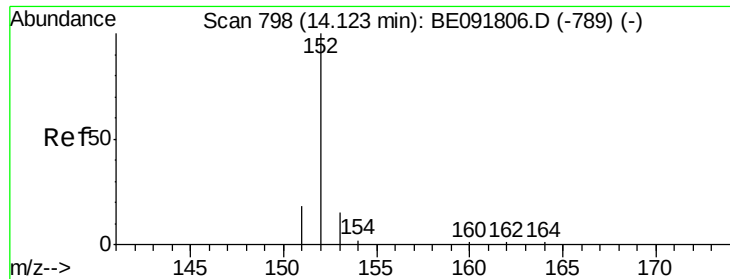
Tgt Ion:330 Resp: 31370
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.1 118.7
 141 42.3 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.86 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

Tgt Ion:172 Resp: 90531
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.8 43.2
 170 24.0 19.3 28.9





#16

Acenaphthylene

Concen: 0.02 ng

RT: 14.12 min Scan# 798

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

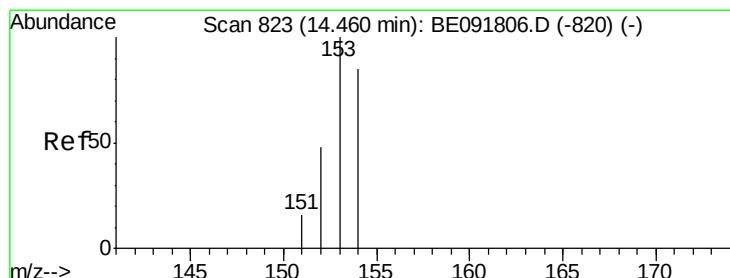
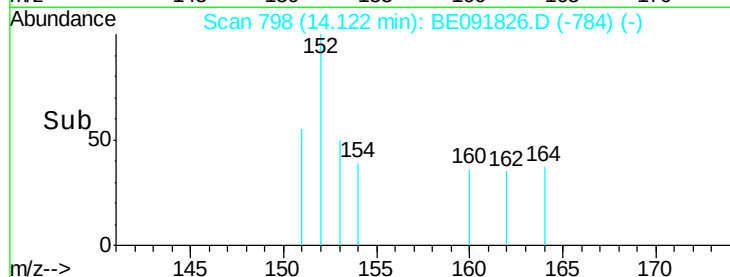
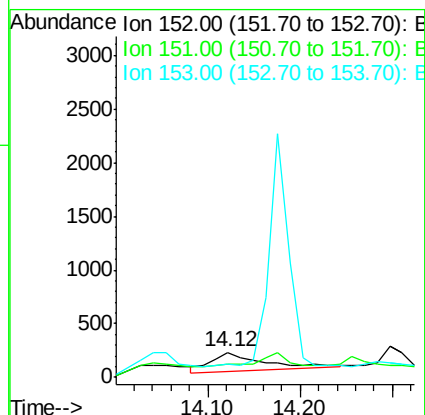
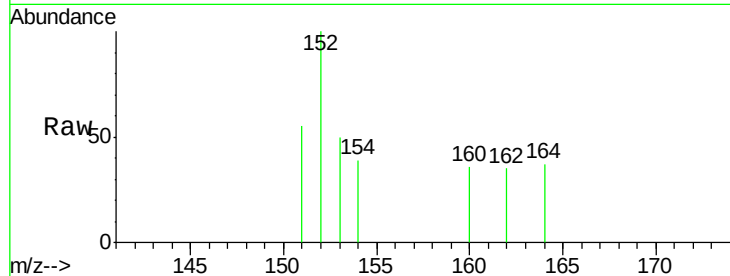
Tgt Ion:152 Resp: 736

Ion Ratio Lower Upper

152 100

151 0.0 3.9 5.9#

153 0.0 10.3 15.5#



#17

Acenaphthene

Concen: 0.01 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

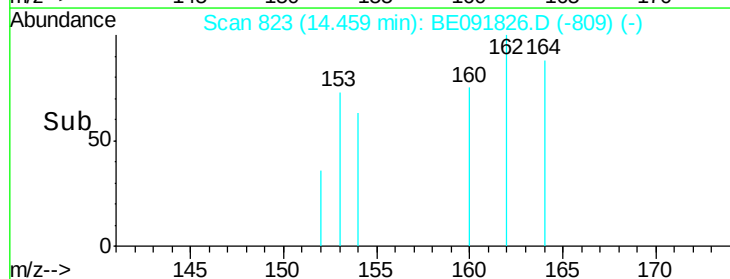
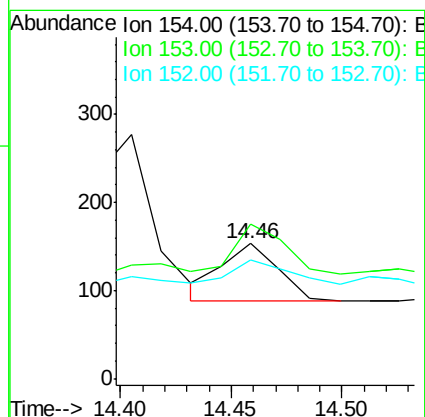
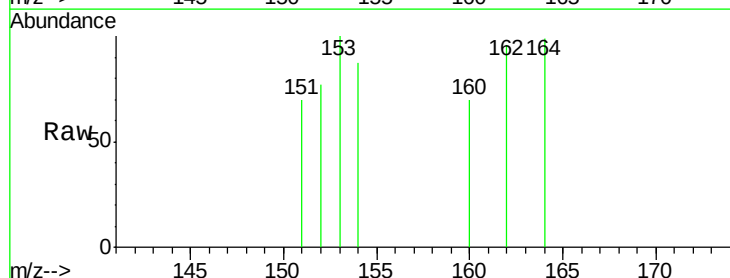
Tgt Ion:154 Resp: 115

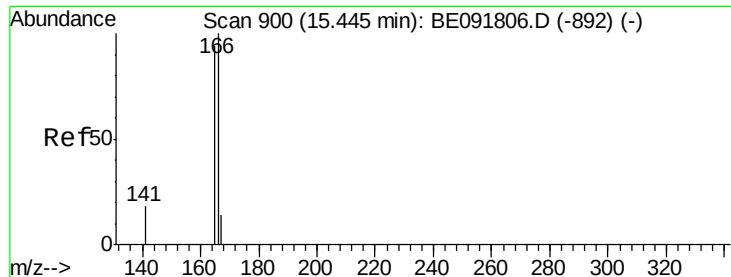
Ion Ratio Lower Upper

154 100

153 82.6 80.0 120.0

152 58.3 40.0 60.0

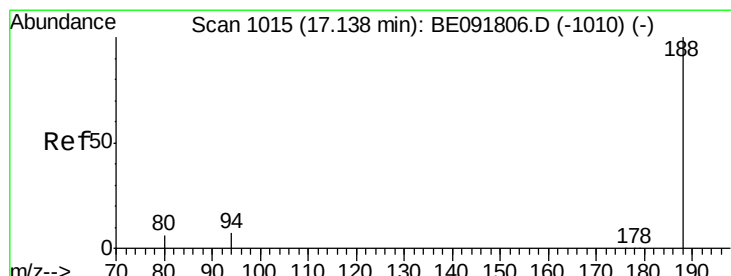
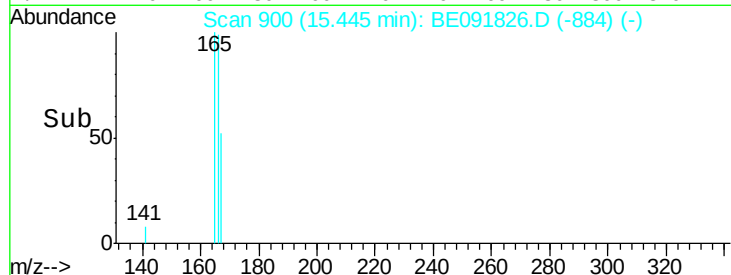
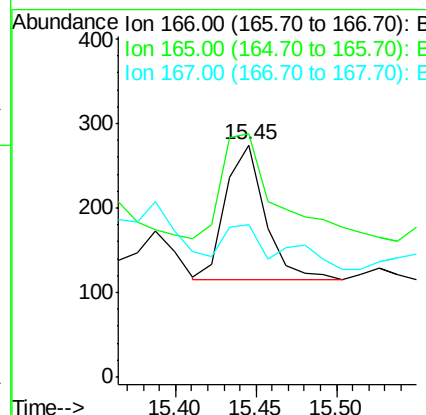
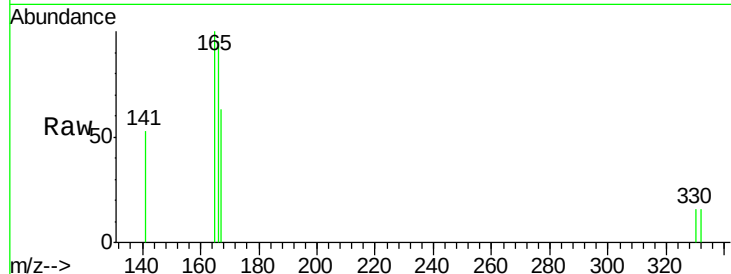




#18
 Fluorene
 Concen: 0.01 ng
 RT: 15.45 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

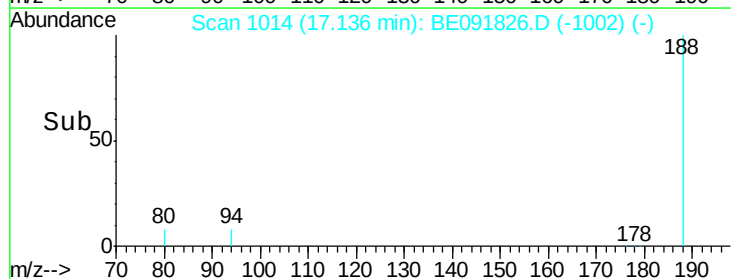
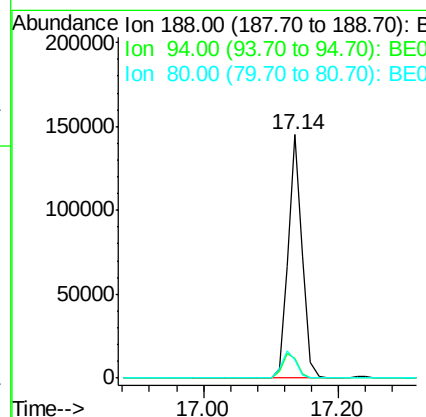
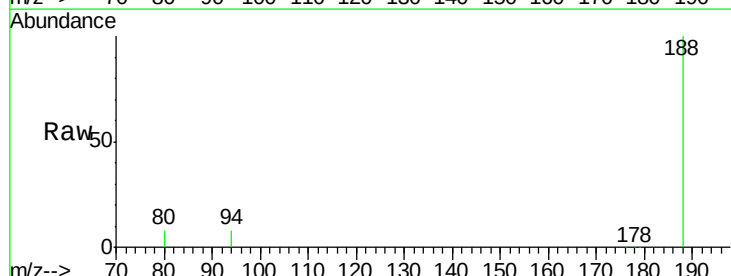
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW003-160512

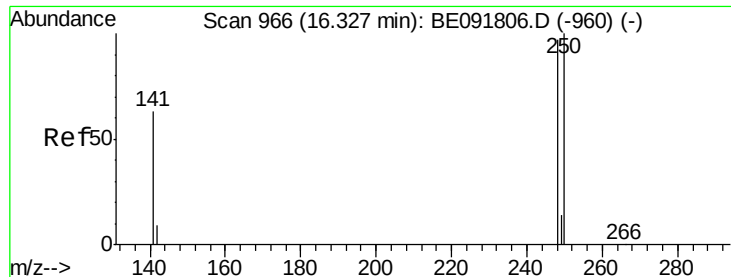
Tgt Ion:166 Resp: 268
 Ion Ratio Lower Upper
 166 100
 165 115.7 80.8 121.2
 167 0.0 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.14 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

Tgt Ion:188 Resp: 251095
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.7 13.1#
 80 7.5 9.4 14.0#

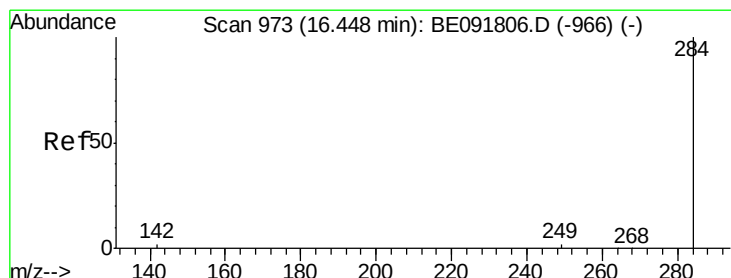
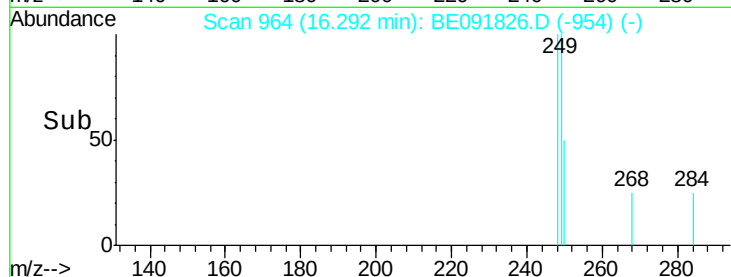
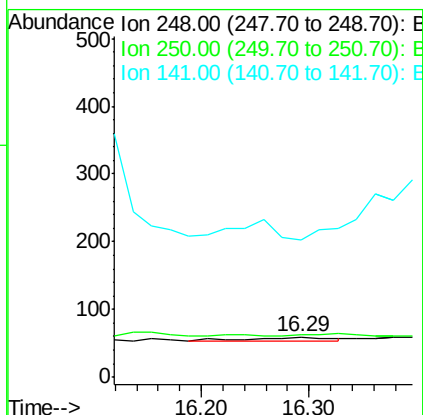
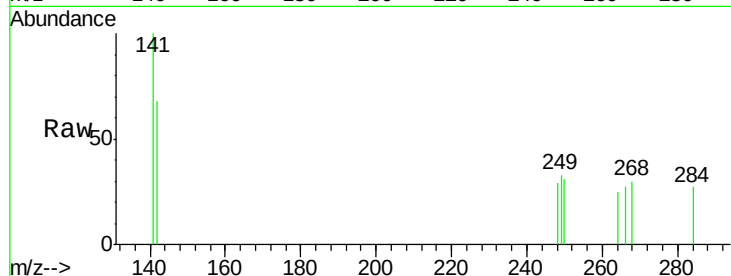




#20
4-Bromophenyl-phenylether
Concen: 0.00 ng
RT: 16.29 min Scan# 964
Delta R.T. -0.03 min
Lab File: BE091826.D
Acq: 20 May 2016 1:05

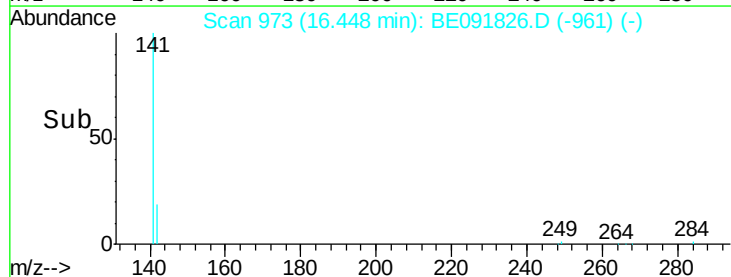
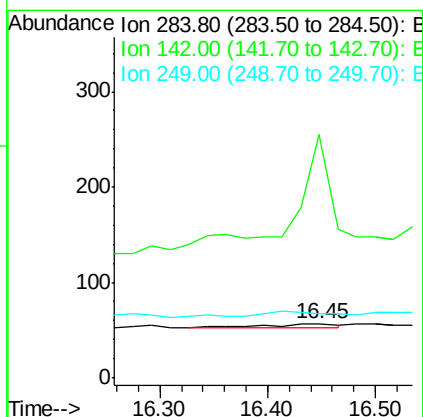
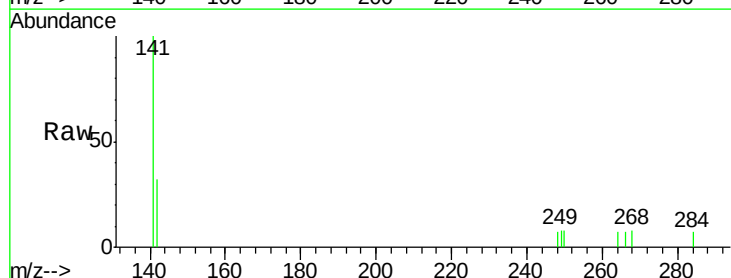
Instrument :
BNA_E
ClientSampleId :
LF001MW003-160512

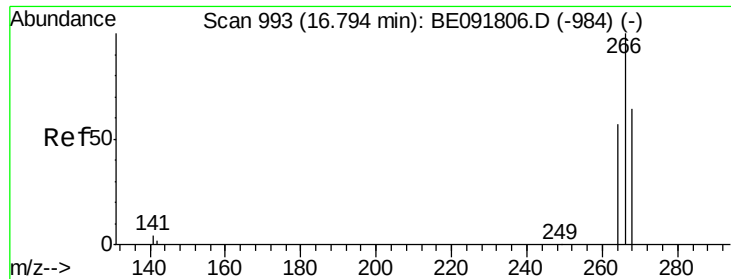
Tgt Ion: 248 Resp: 26
Ion Ratio Lower Upper
248 100
250 0.0 80.5 120.7#
141 0.0 72.0 108.0#



#21
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091826.D
Acq: 20 May 2016 1:05

Tgt Ion: 284 Resp: 24
Ion Ratio Lower Upper
284 100
142 958.3 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: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

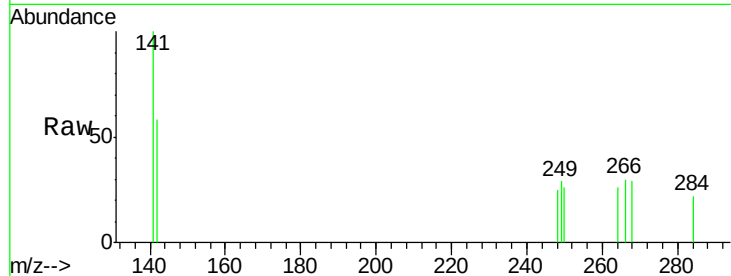
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

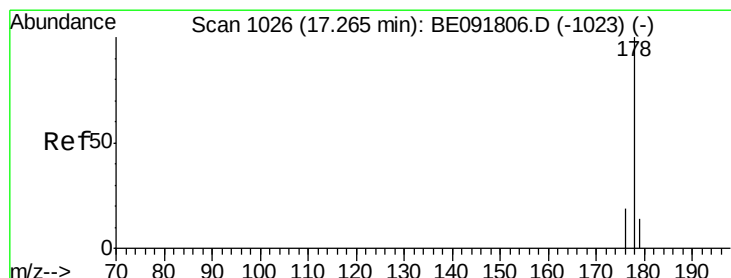
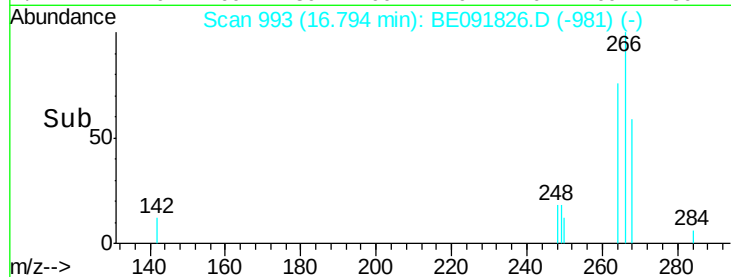
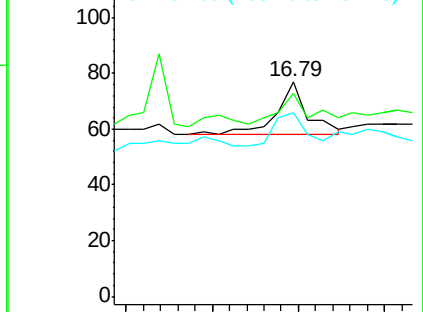
266 100

268 94.8 58.2 87.2#

264 85.7 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# 1017

Delta R.T. -0.01 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

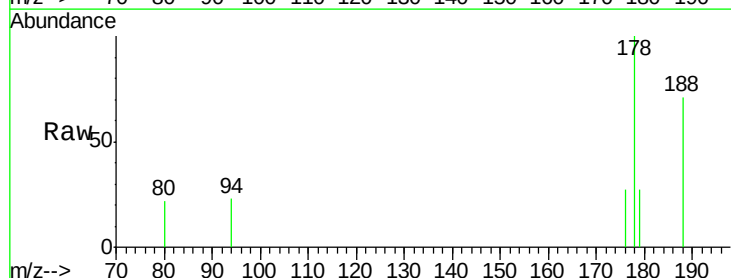
Tgt Ion:178 Resp: 2359

Ion Ratio Lower Upper

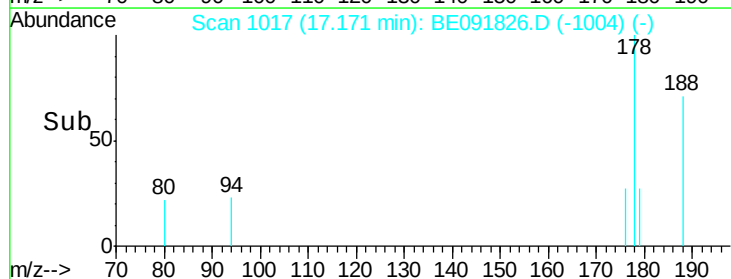
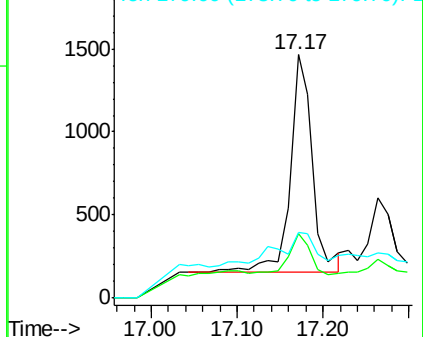
178 100

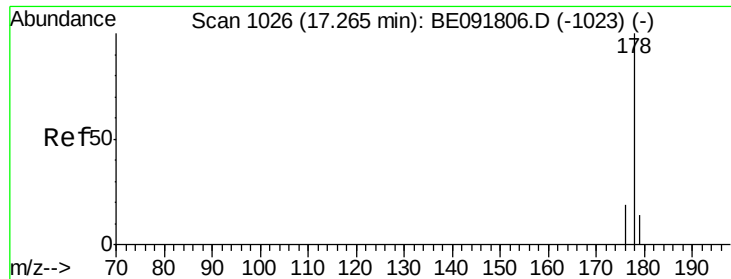
176 16.7 15.3 22.9

179 20.9 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# 1025

Delta R.T. -0.01 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

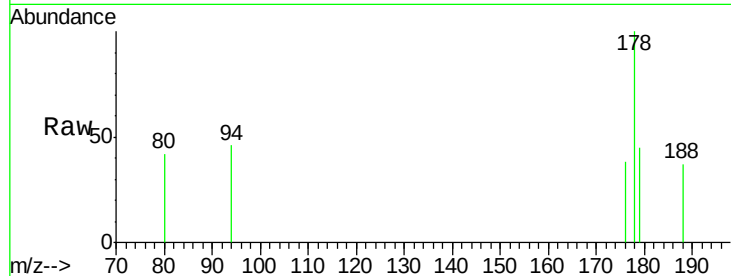
Tgt Ion:178 Resp: 714

Ion Ratio Lower Upper

178 100

176 21.0 14.6 21.8

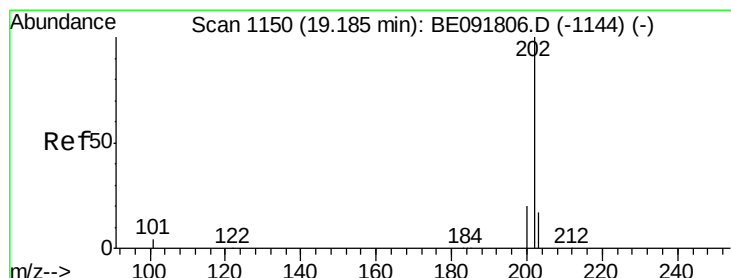
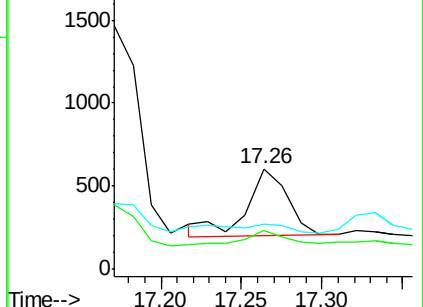
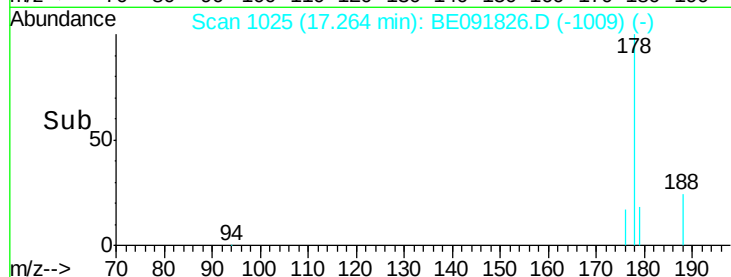
179 0.0 11.8 17.6#



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: 0.05 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

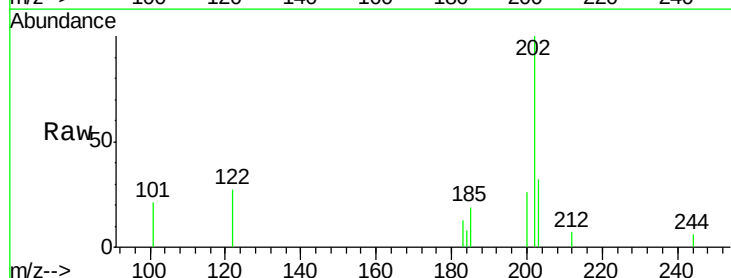
Tgt Ion:202 Resp: 3130

Ion Ratio Lower Upper

202 100

101 0.0 11.0 16.6#

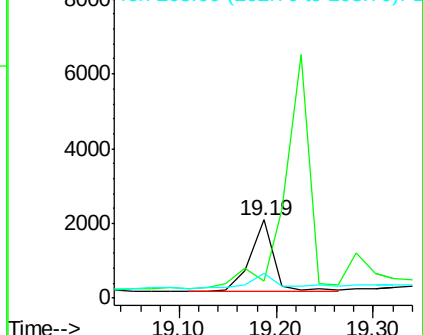
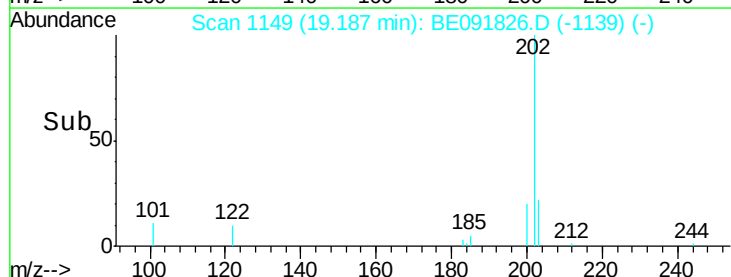
203 24.7 13.9 20.9#

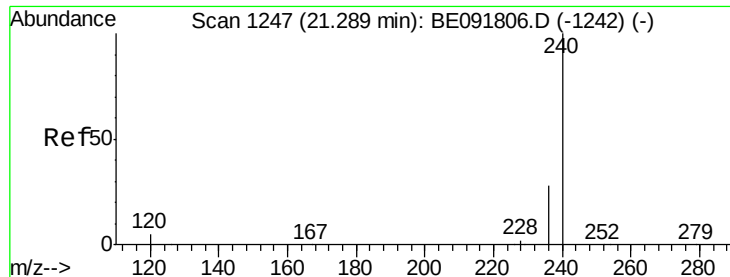


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

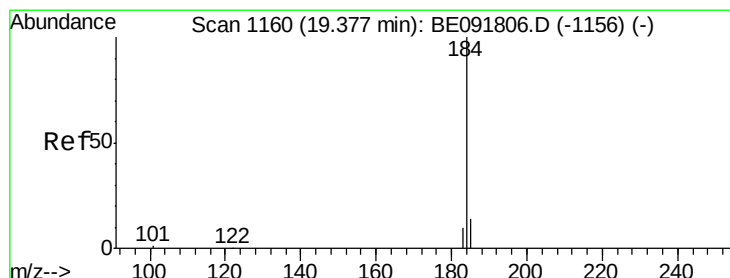
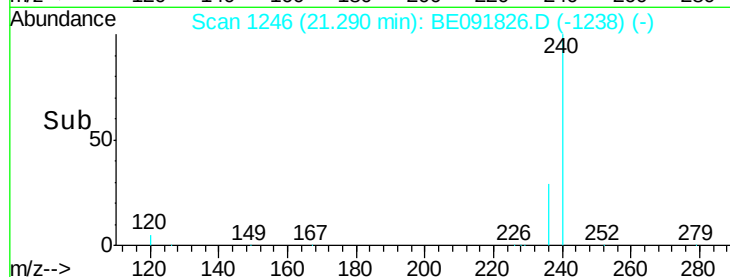
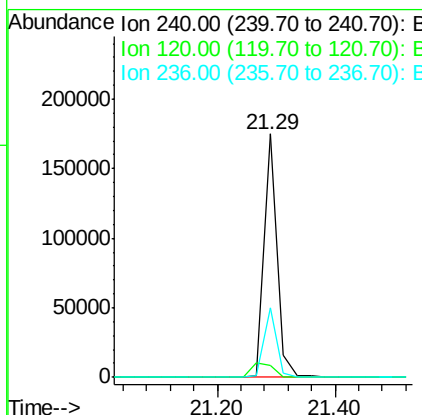
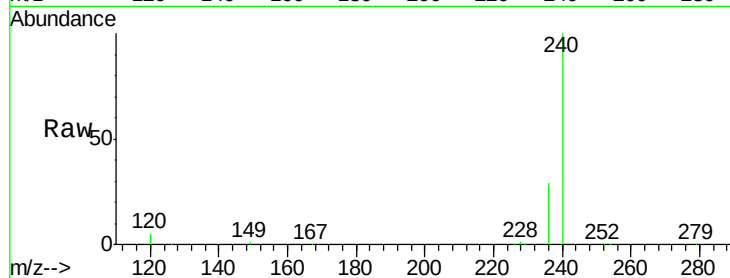




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

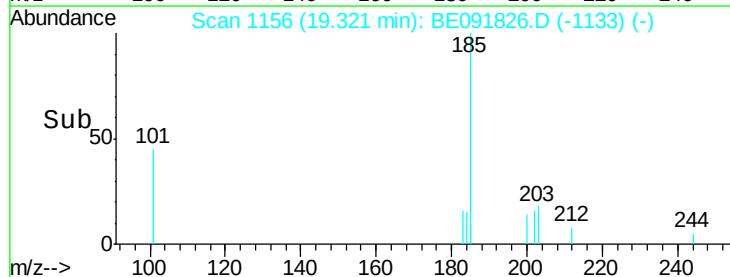
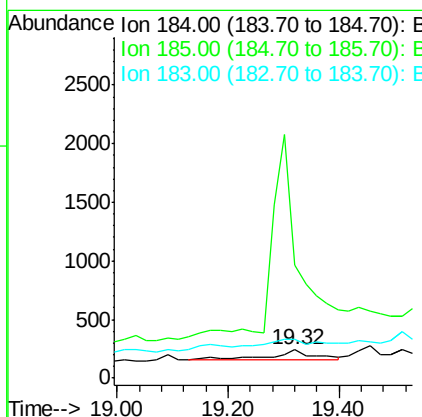
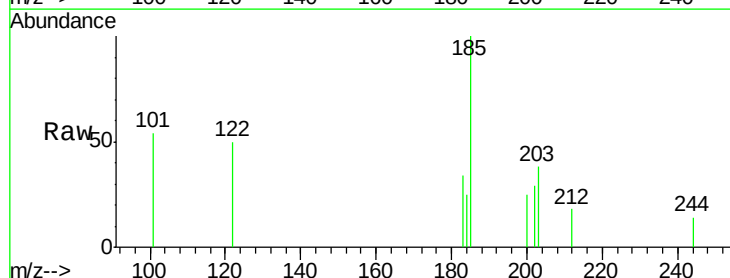
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW003-160512

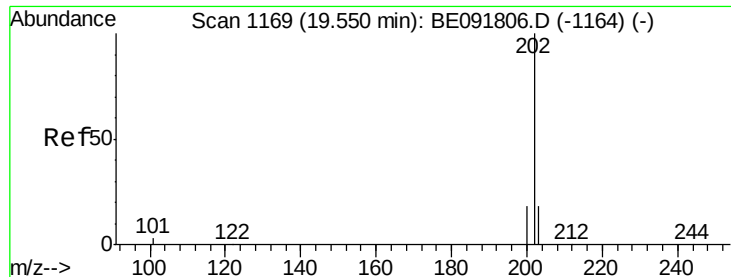
Tgt Ion: 240 Resp: 268538
 Ion Ratio Lower Upper
 240 100
 120 5.1 11.0 16.4#
 236 28.7 21.7 32.5



#27
 Benzidine
 Concen: Below Cal
 RT: 19.32 min Scan# 1156
 Delta R.T. -0.06 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

Tgt Ion: 184 Resp: 421
 Ion Ratio Lower Upper
 184 100
 185 401.3 22.3 33.5#
 183 136.7 16.4 24.6#





#28

Pyrene

Concen: 0.05 ng

RT: 19.55 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

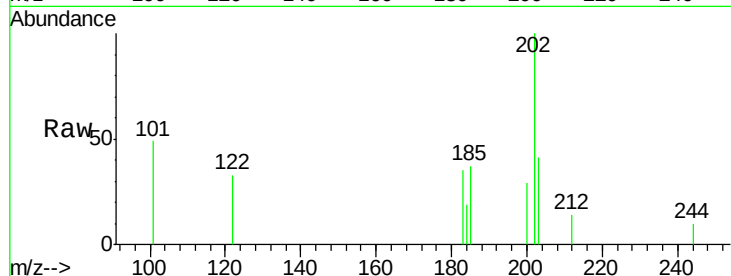
Tgt Ion: 202 Resp: 2793

Ion Ratio Lower Upper

202 100

200 25.2 16.8 25.2#

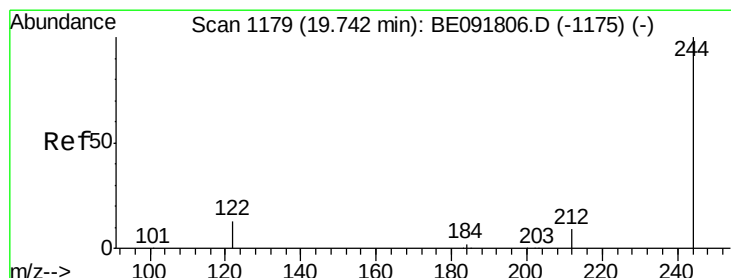
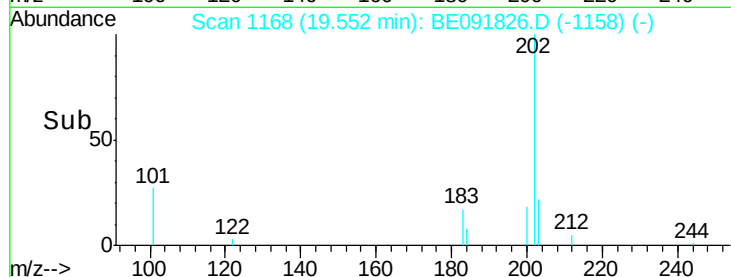
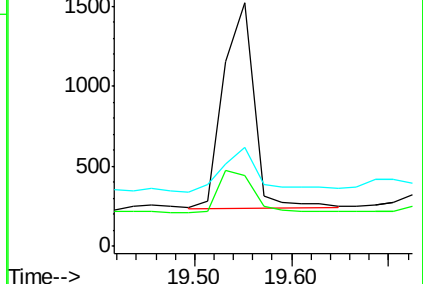
203 26.2 14.0 21.0#



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: 4.70 ng

RT: 19.74 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

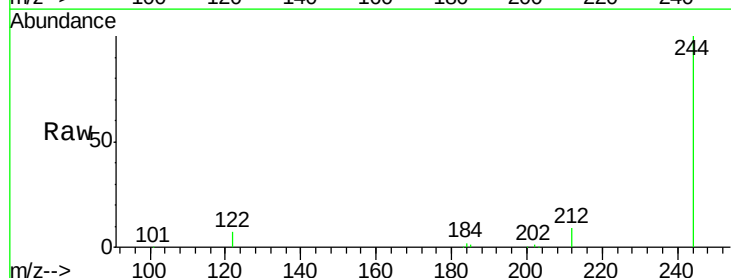
Tgt Ion: 244 Resp: 178850

Ion Ratio Lower Upper

244 100

212 9.1 6.9 10.3

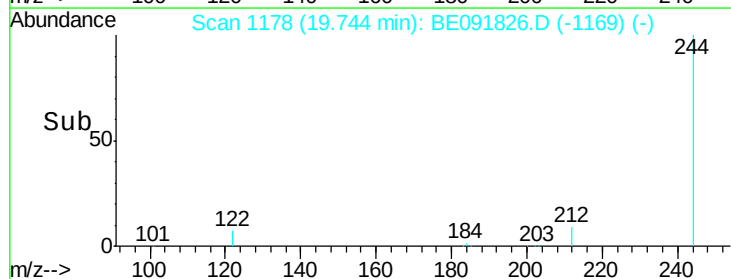
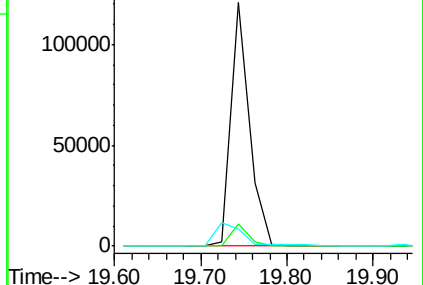
122 7.0 11.0 16.4#

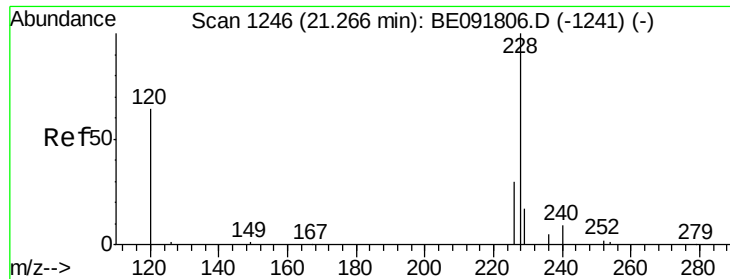


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.27 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

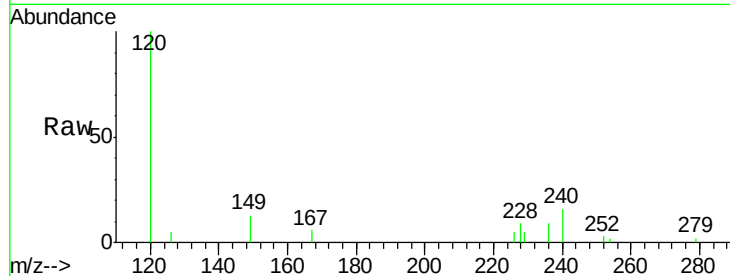
Tgt Ion: 228 Resp: 3055

Ion Ratio Lower Upper

228 100

226 47.9 21.0 31.4#

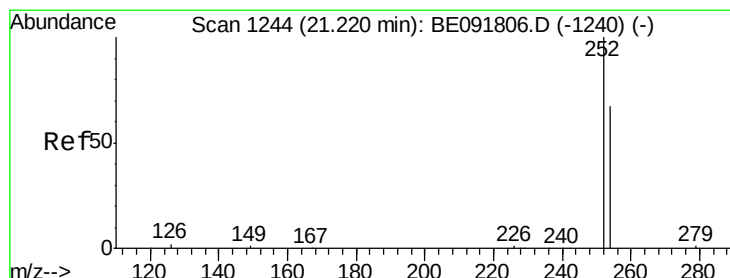
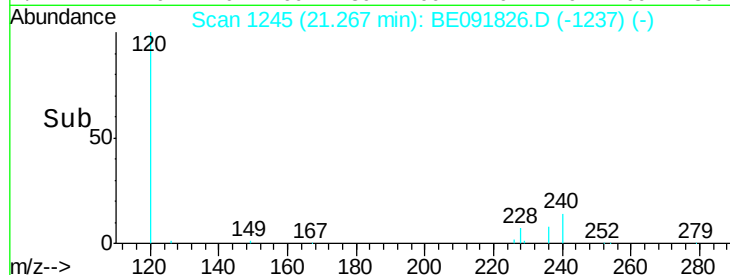
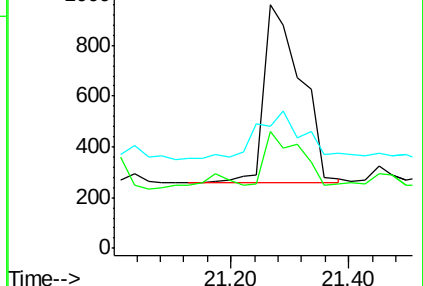
229 50.3 15.7 23.5#



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: 21.22 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

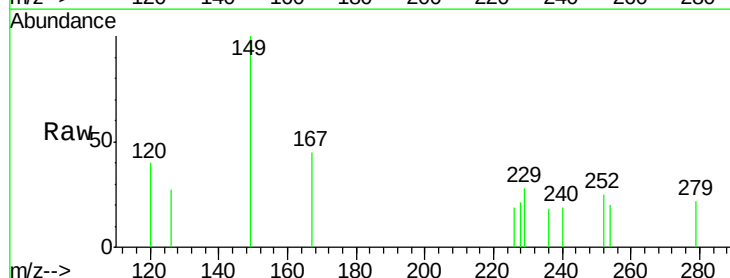
Tgt Ion: 252 Resp: 459

Ion Ratio Lower Upper

252 100

254 79.6 51.1 76.7#

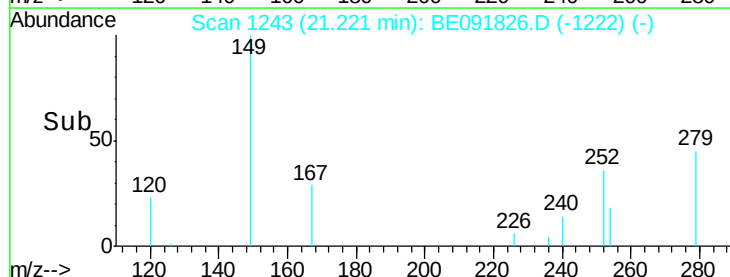
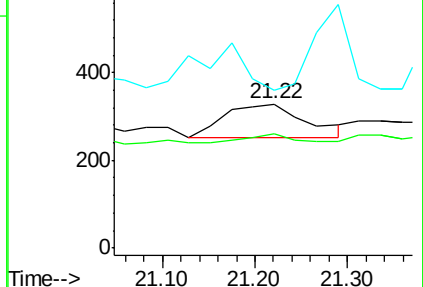
126 109.7 12.6 18.8#

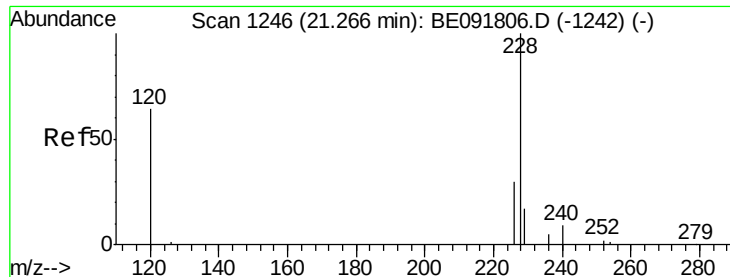


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.09 ng

RT: 21.27 min Scan# 1245

Delta R.T. -0.07 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

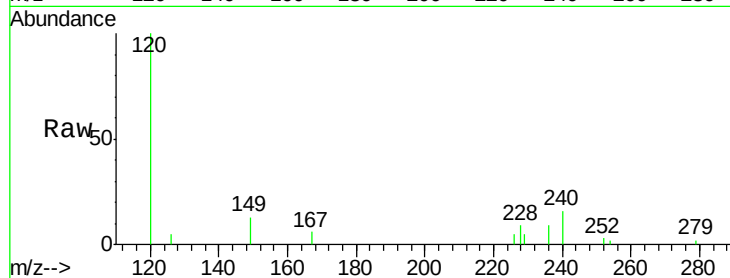
Tgt Ion:228 Resp: 3048

Ion Ratio Lower Upper

228 100

226 47.9 24.0 36.0#

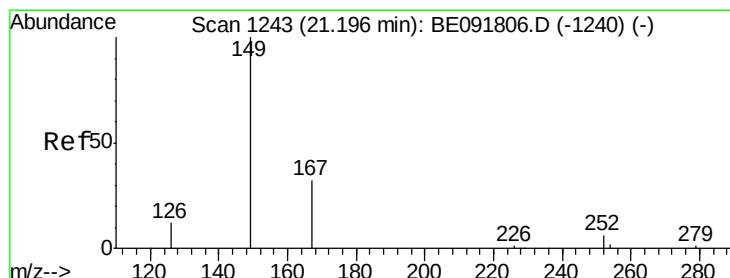
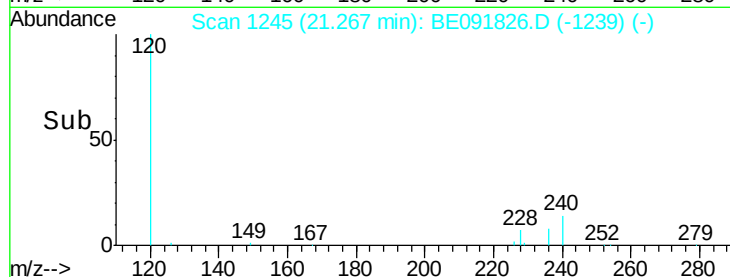
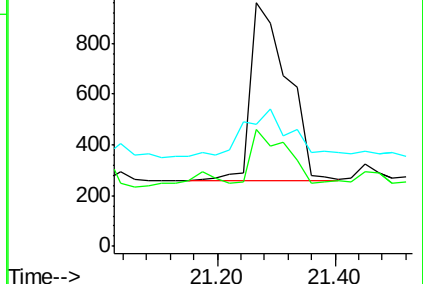
229 50.3 15.9 23.9#



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: 0.66 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

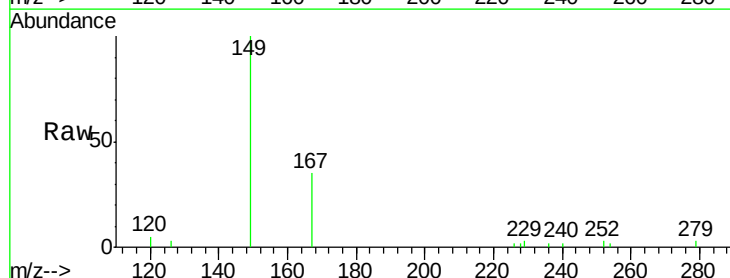
Tgt Ion:149 Resp: 15954

Ion Ratio Lower Upper

149 100

167 31.5 19.5 29.3#

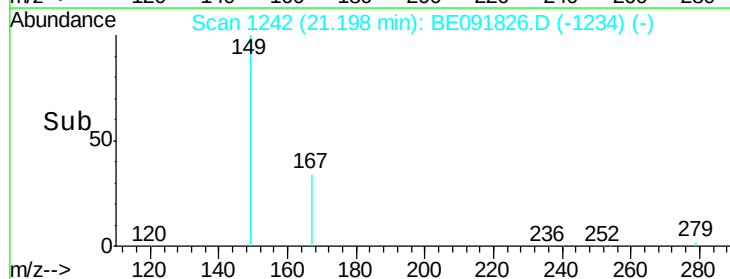
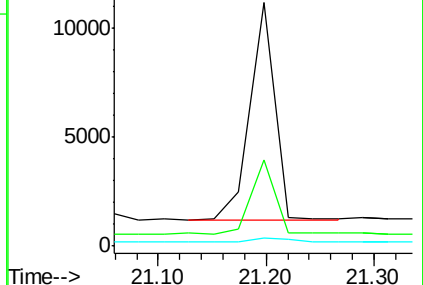
279 4.0 10.0 15.0#

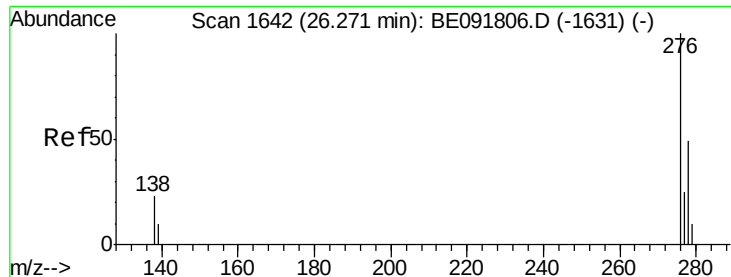


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

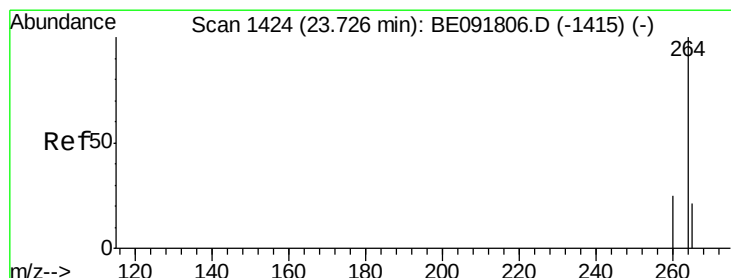
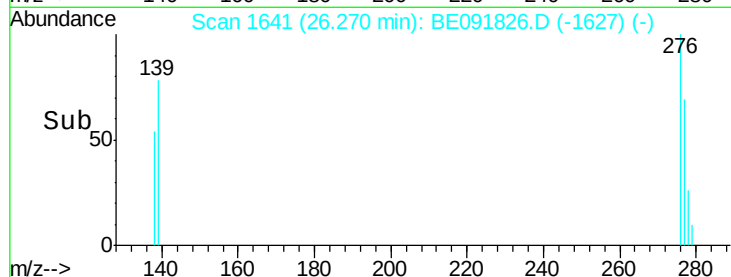
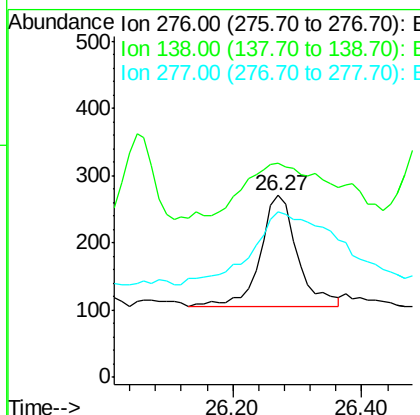
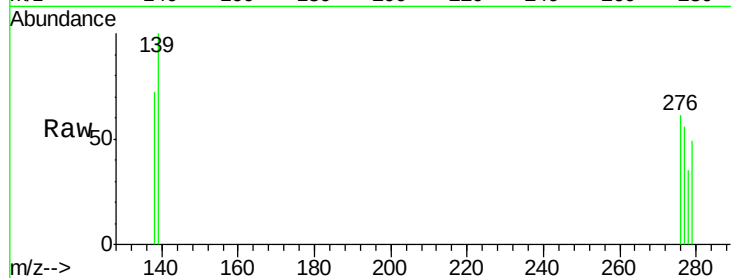




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 26.27 min Scan# 1641
 Delta R.T. -0.03 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

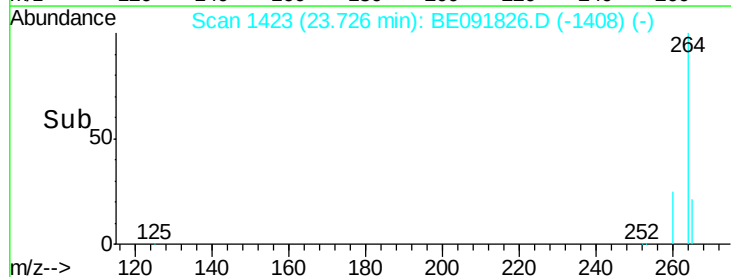
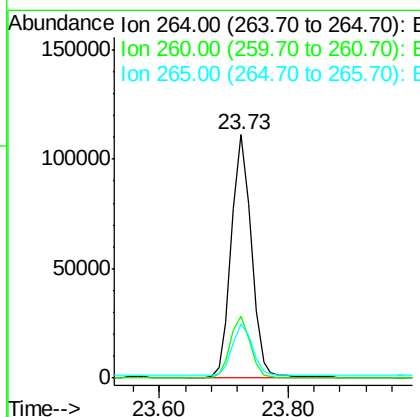
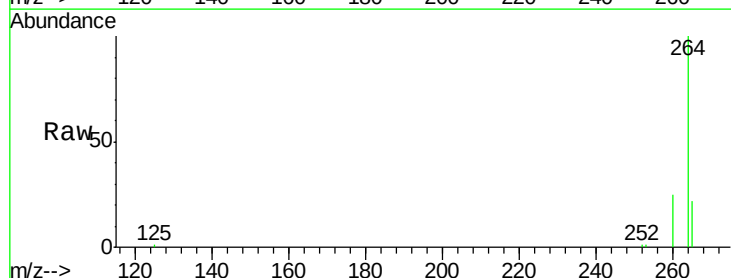
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW003-160512

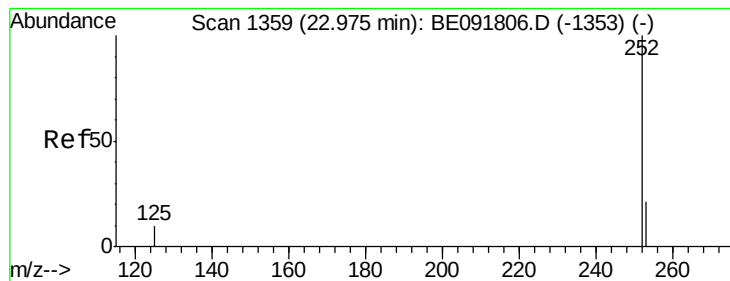
Tgt Ion: 276 Resp: 668
 Ion Ratio Lower Upper
 276 100
 138 105.1 23.4 35.2#
 277 153.7 19.8 29.8#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BE091826.D
 Acq: 20 May 2016 1:05

Tgt Ion: 264 Resp: 238410
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.0 30.0
 265 22.0 17.5 26.3





#36

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.97 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

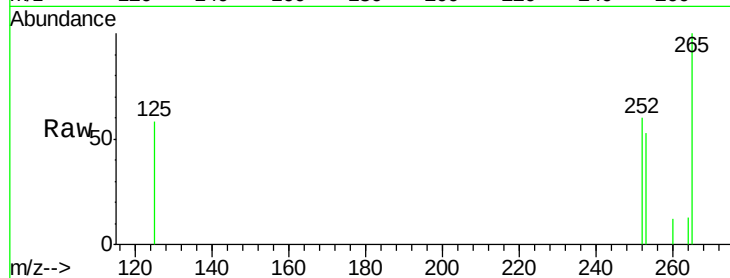
Tgt Ion:252 Resp: 1704

Ion Ratio Lower Upper

252 100

253 88.1 17.4 26.0#

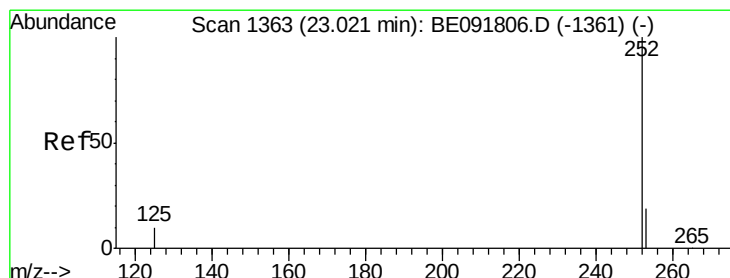
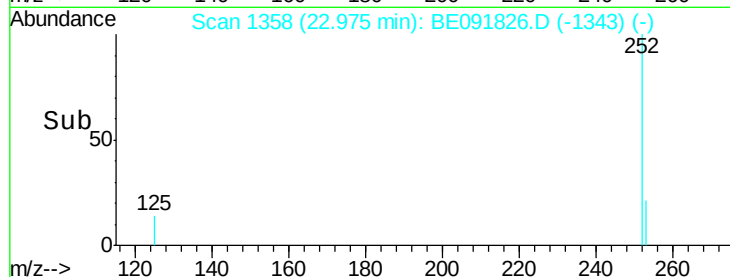
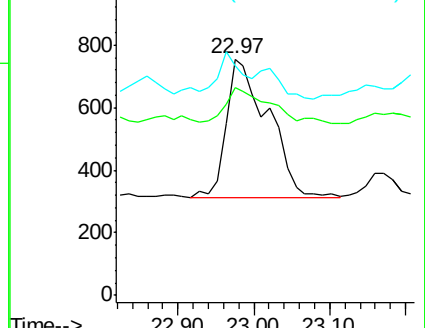
125 97.1 10.2 15.2#



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: 0.03 ng

RT: 22.97 min Scan# 1358

Delta R.T. -0.07 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

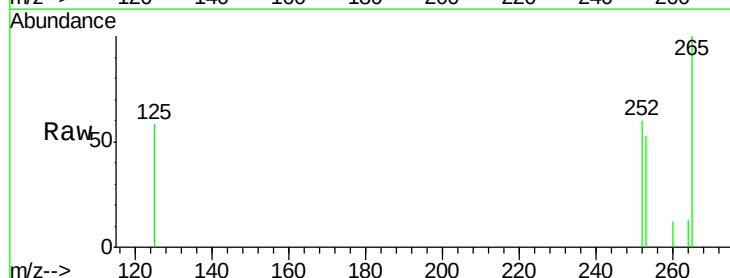
Tgt Ion:252 Resp: 1704

Ion Ratio Lower Upper

252 100

253 88.1 17.6 26.4#

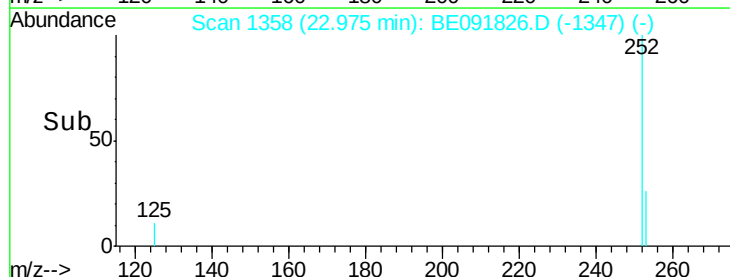
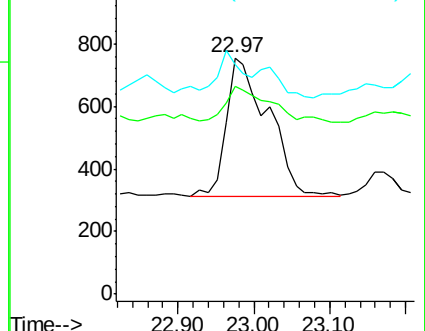
125 97.1 9.9 14.9#

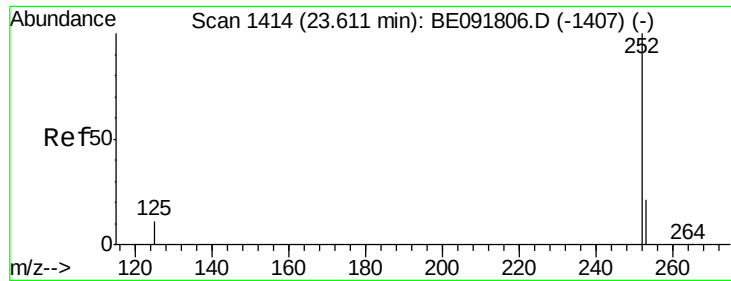


Abundance Ion 252.00 (251.70 to 252.70): E

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# 1413

Delta R.T. -0.02 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512

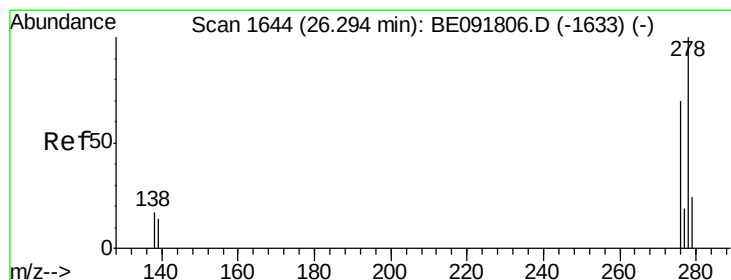
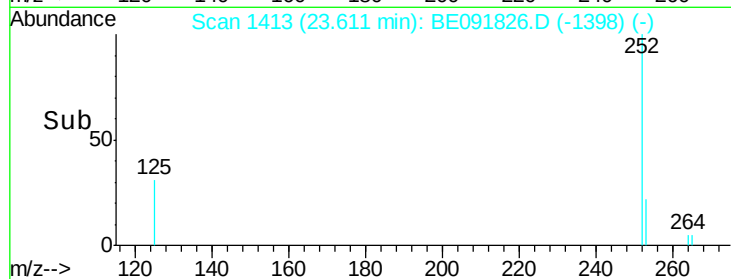
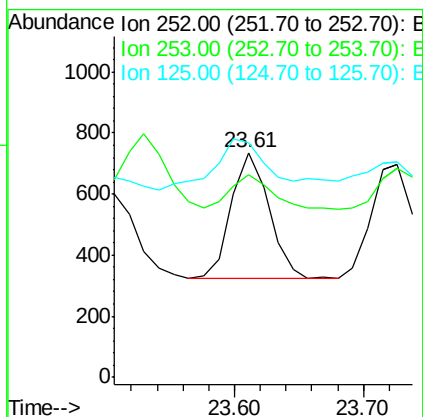
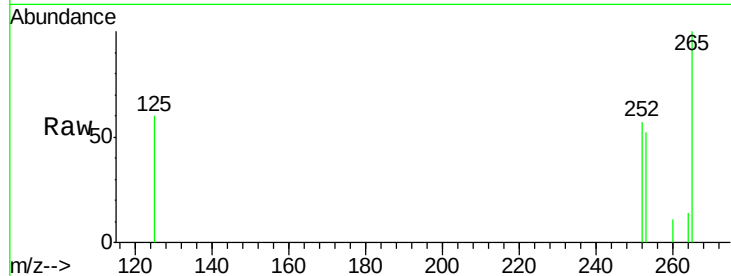
Tgt Ion: 252 Resp: 824

Ion Ratio Lower Upper

252 100

253 90.4 18.1 27.1#

125 104.3 11.0 16.4#



#39

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 26.28 min Scan# 1642

Delta R.T. -0.06 min

Lab File: BE091826.D

Acq: 20 May 2016 1:05

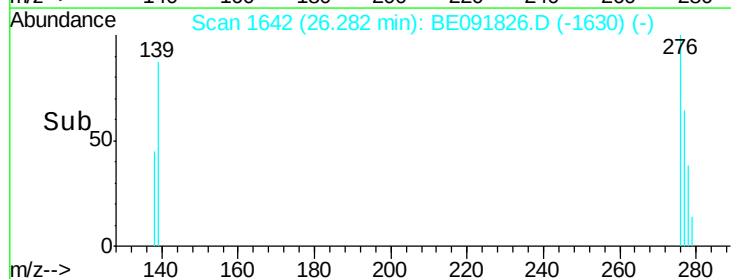
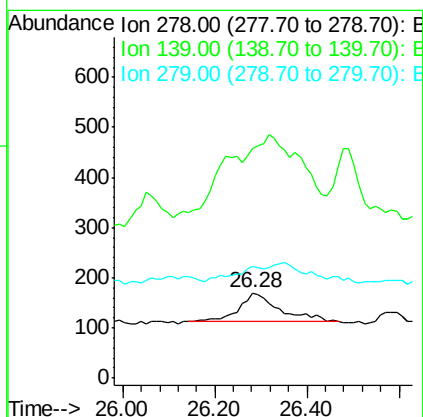
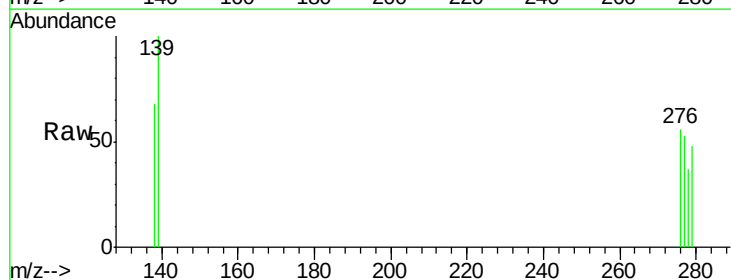
Tgt Ion: 278 Resp: 357

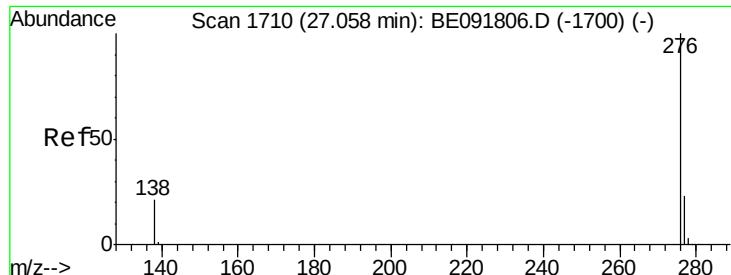
Ion Ratio Lower Upper

278 100

139 271.0 16.0 24.0#

279 131.4 19.4 29.2#





#40

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 27.06 min Scan# 1709

Delta R.T. -0.05 min

Lab File: BE091826.D

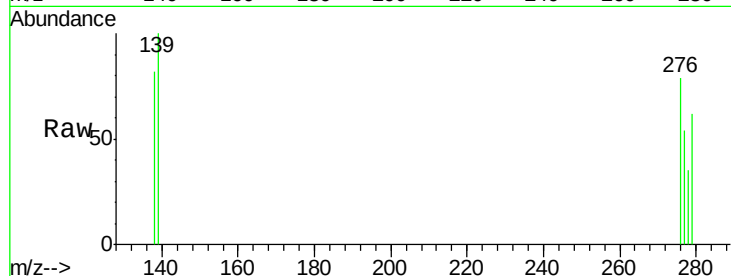
Acq: 20 May 2016 1:05

Instrument :

BNA_E

ClientSampleId :

LF001MW003-160512



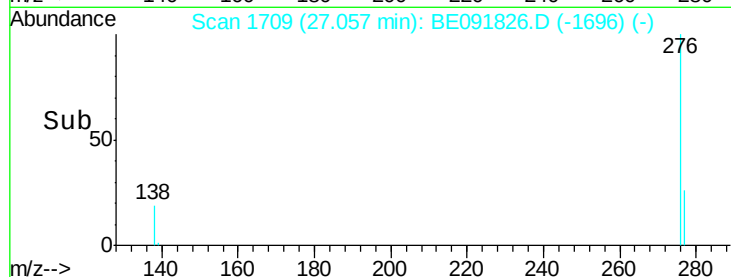
Tgt Ion: 276 Resp: 547

Ion Ratio Lower Upper

276 100

277 68.4 18.6 28.0#

138 102.9 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

