

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE092989.D
 Acq On : 11 May 2017 10:41
 Operator : SJ/MA
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 14:13:35 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:12:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	688	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	2788	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1359	0.40	ng	0.02
19) Phenanthrene-d10	17.13	188	3059	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3877	0.40	ng	0.00
34) Perylene-d12	23.70	264	3305	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	201	0.11	ng	0.00
5) Phenol-d6	6.95	99	220	0.09	ng	0.00
8) Nitrobenzene-d5	8.90	82	218	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	380	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	36	0.10	ng	0.01
15) 2-Fluorobiphenyl	13.04	172	508	0.10	ng	0.03
25) Fluoranthene-d10	19.16	212	929	0.11	ng	0.00
29) Terphenyl-d14	19.74	244	618	0.09	ng	0.00

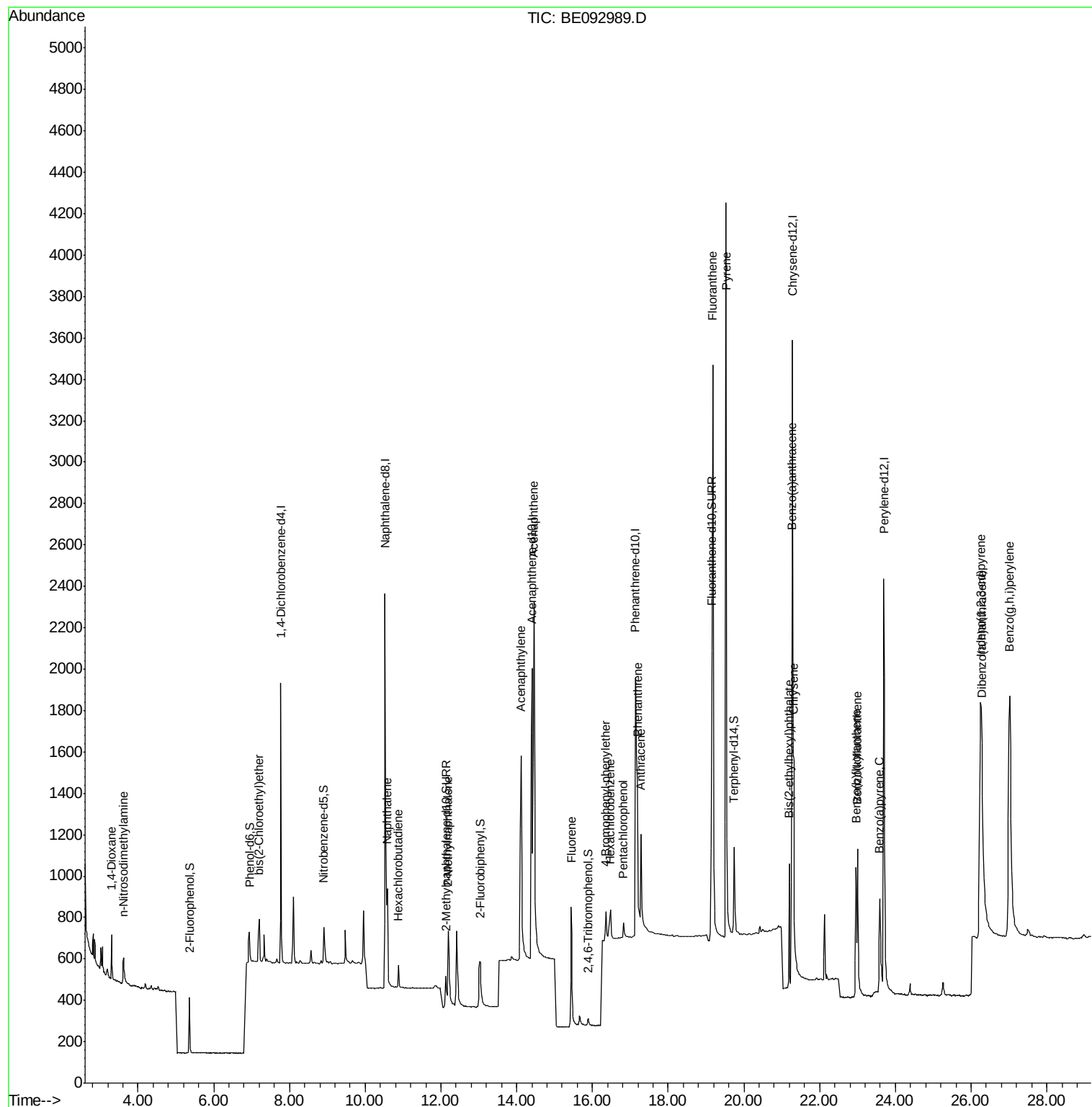
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	168	0.12	ng	90
3) n-Nitrosodimethylamine	3.61	42	120	0.10	ng	# 92
6) bis(2-Chloroethyl)ether	7.20	93	238	0.10	ng	# 99
9) Naphthalene	10.58	128	792	0.11	ng	# 81
10) Hexachlorobutadiene	10.87	225	112	0.11	ng	95
12) 2-Methylnaphthalene	12.19	142	408	0.10	ng	# 90
16) Acenaphthylene	14.11	152	2142	0.10	ng	100
17) Acenaphthene	14.45	154	423	0.10	ng	98
18) Fluorene	15.44	166	497	0.10	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	109	0.11	ng	# 78
21) Hexachlorobenzene	16.47	284	181	0.12	ng	# 100
22) Pentachlorophenol	16.82	266	85	0.18	ng	91
23) Phenanthrene	17.19	178	930	0.12	ng	99
24) Anthracene	17.28	178	699	0.11	ng	100
26) Fluoranthene	19.18	202	4377	0.11	ng	# 100
28) Pyrene	19.53	202	4916	0.10	ng	# 99
30) Benzo(a)anthracene	21.27	228	925	0.10	ng	# 90
31) Chrysene	21.32	228	1274	0.11	ng	92
32) Bis(2-ethylhexyl)phthalate	21.20	149	577	0.14	ng	96
33) Indeno(1,2,3-cd)pyrene	26.25	276	3875	0.10	ng	99
35) Benzo(b)fluoranthene	22.96	252	1010	0.10	ng	# 81
36) Benzo(k)fluoranthene	23.01	252	1018	0.10	ng	# 86
37) Benzo(a)pyrene	23.58	252	928	0.10	ng	# 79
38) Dibenzo(a,h)anthracene	26.29	278	753	0.09	ng	# 62
39) Benzo(g,h,i)perylene	27.02	276	3591	0.09	ng	# 77

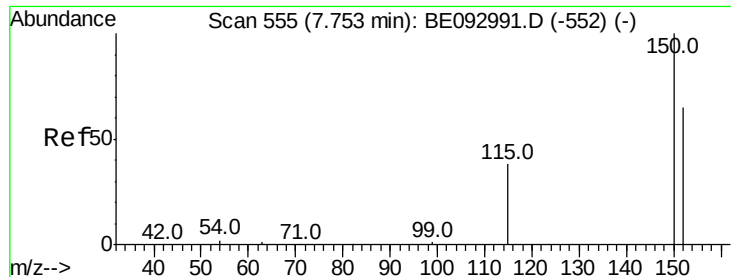
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 14:12:45 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampled :

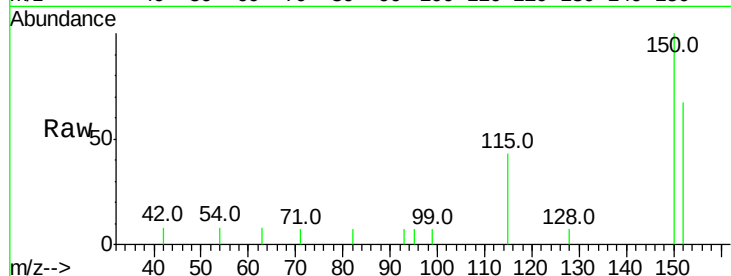
Tot Ion:152 Resp: 688

Ion Ratio Lower Upper

152 100

150 149.7 125.1 187.7

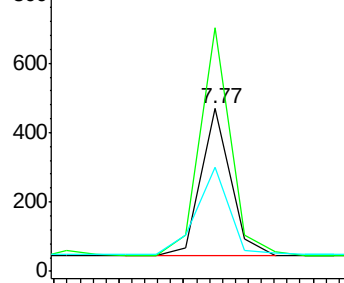
115 64.2 55.7 83.5



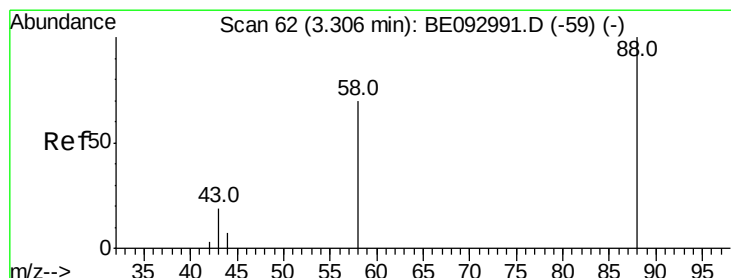
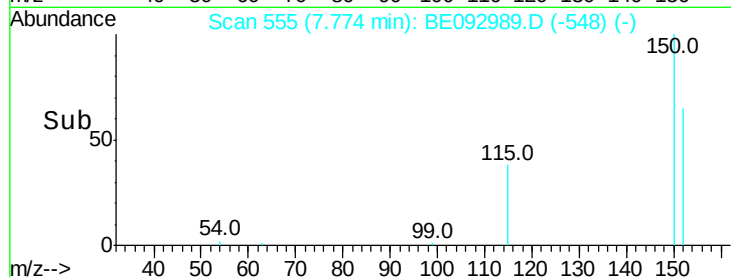
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

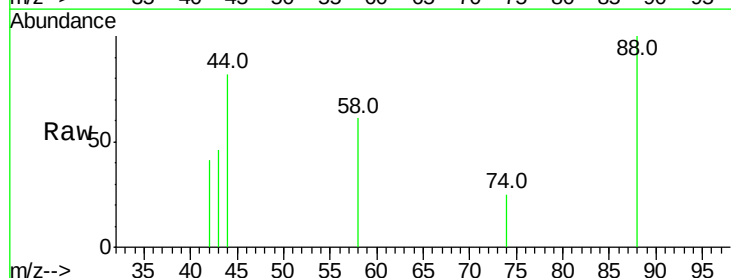
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

58 66.7 62.2 93.4

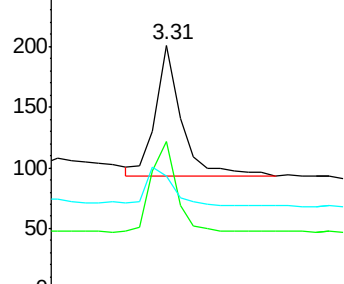
43 28.6 23.2 34.8



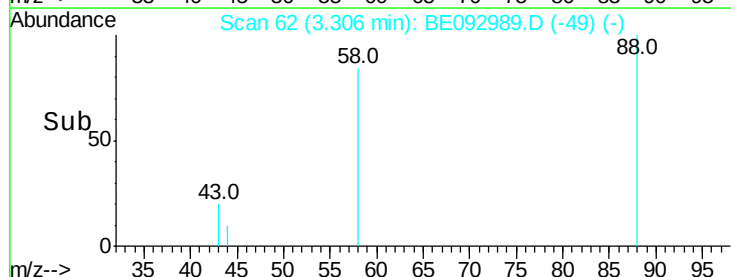
Abundance Ion 88.00 (87.70 to 88.70): BE0

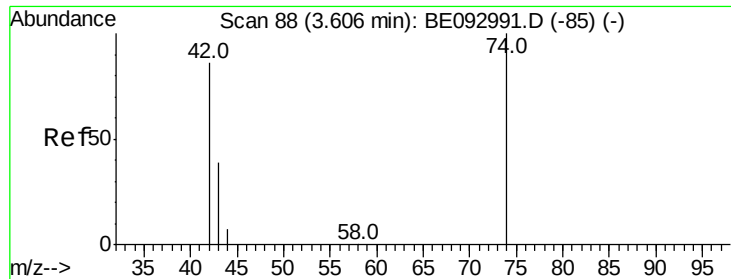
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampled :

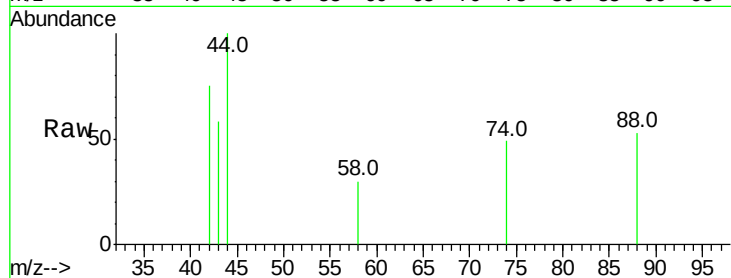
Tot Ion: 42 Resp: 120

Ion Ratio Lower Upper

42 100

74 115.8 99.1 148.7

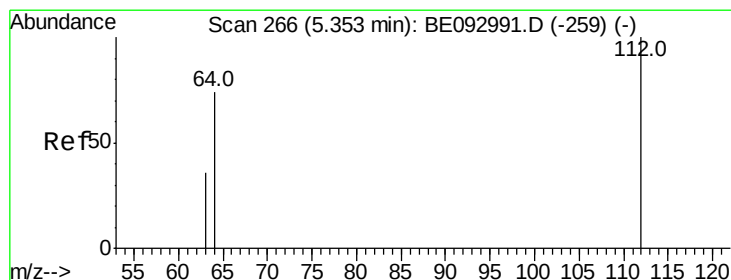
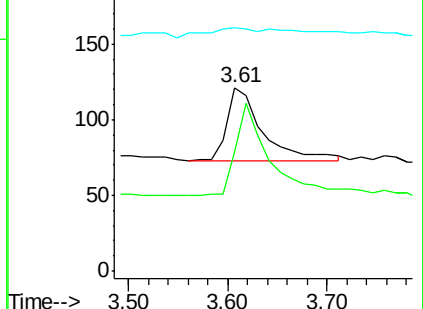
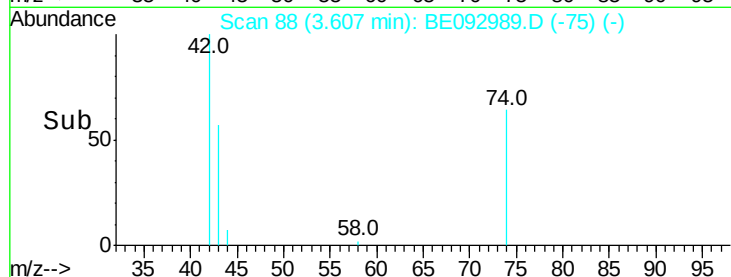
44 18.3 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.11 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

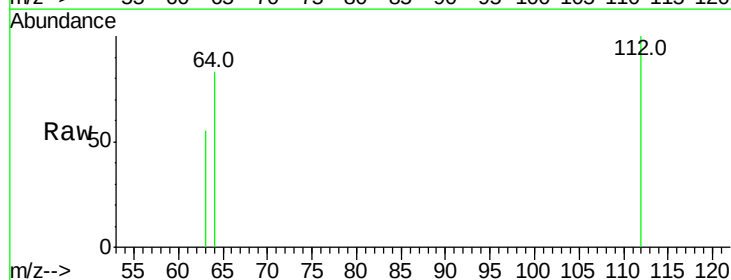
Tgt Ion: 112 Resp: 201

Ion Ratio Lower Upper

112 100

64 73.6 56.4 84.6

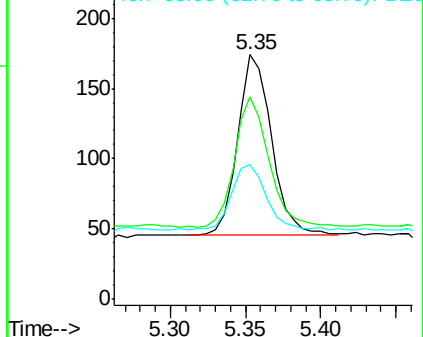
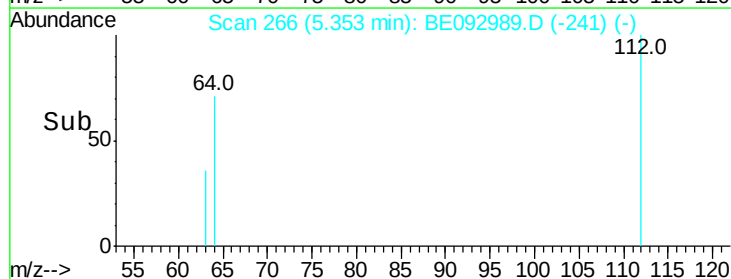
63 39.8 29.3 43.9

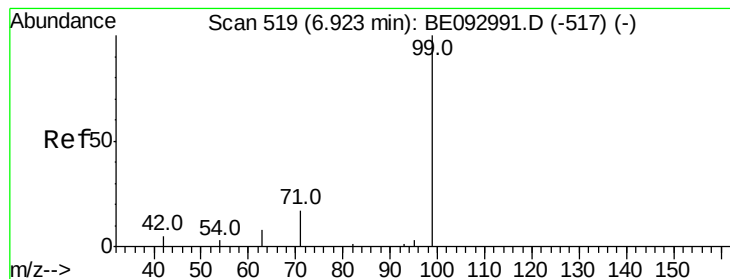


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.09 ng

RT: 6.95 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

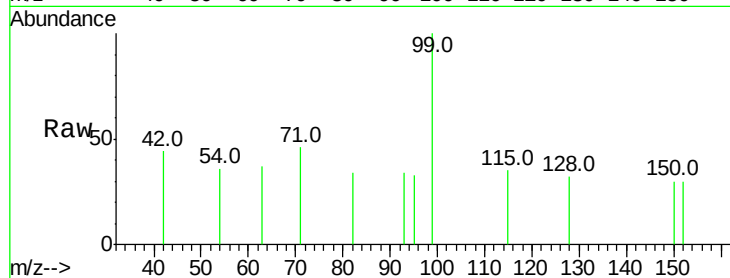
Tot Ion: 99 Resp: 220

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

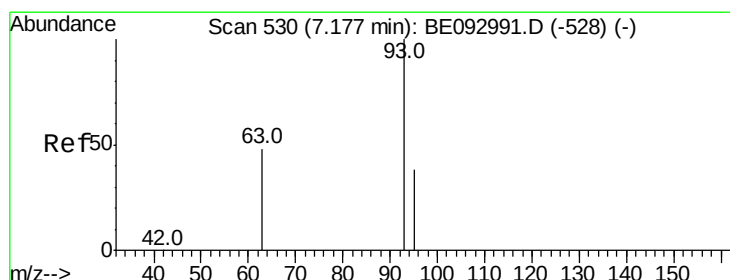
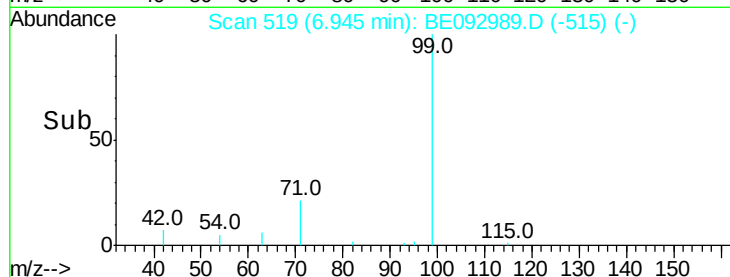
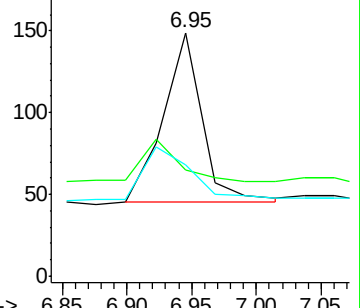
71 0.0 0.0 0.0



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.20 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

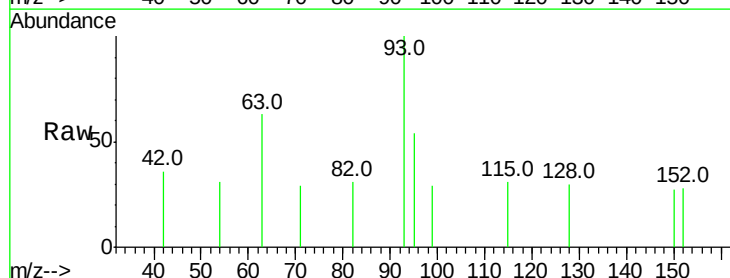
Tgt Ion: 93 Resp: 238

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

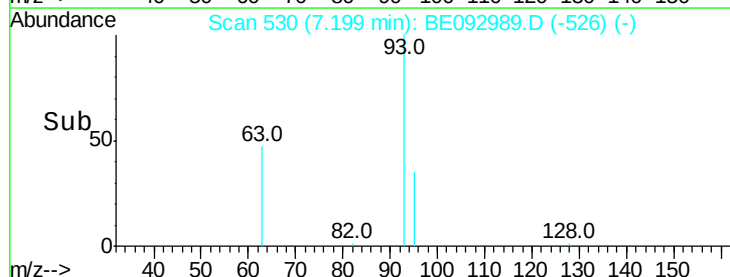
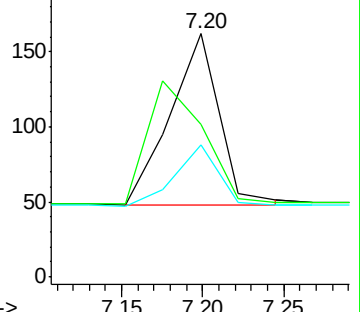
95 32.4 25.4 38.0

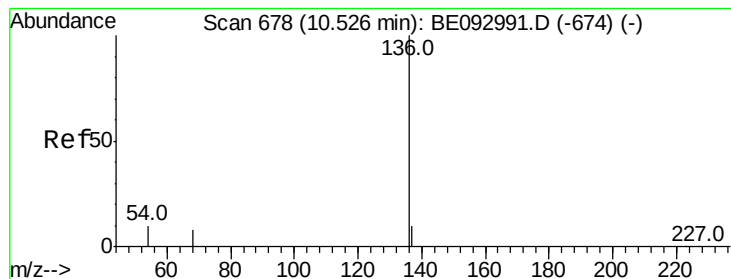


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2788

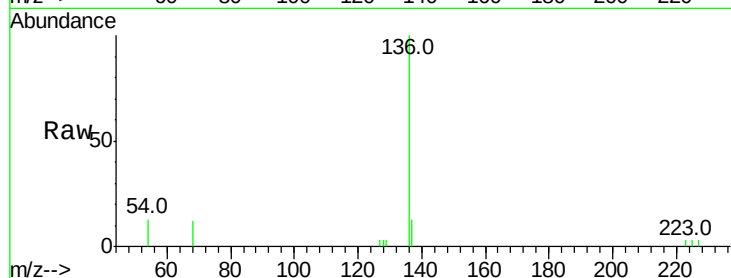
Ion Ratio Lower Upper

136 100

137 12.9 9.8 14.8

54 13.4 10.3 15.5

68 11.7 9.0 13.4

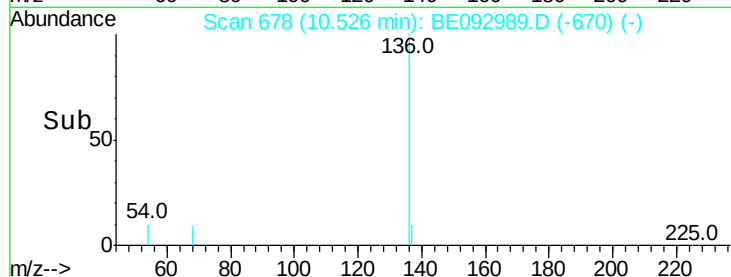


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Abundance

10.53

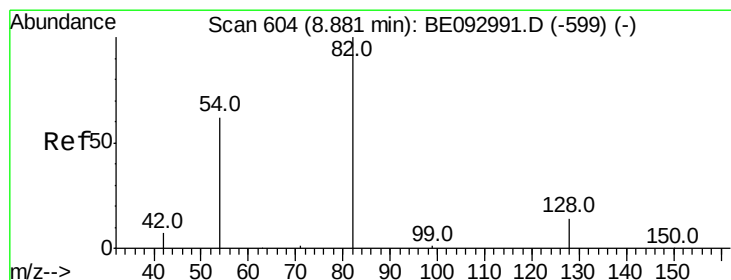
1500

1000

500

0

Time-->



#8

Nitrobenzene-d5

Concen: 0.10 ng

RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

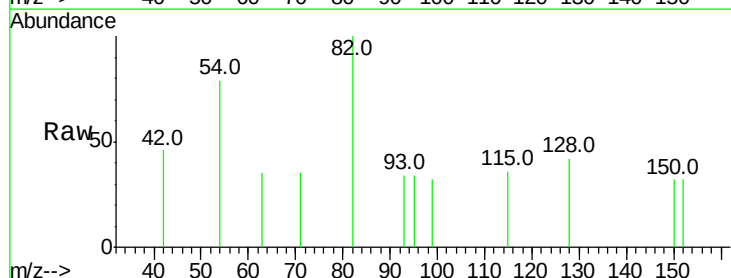
Tgt Ion: 82 Resp: 218

Ion Ratio Lower Upper

82 100

128 42.1 17.0 25.4#

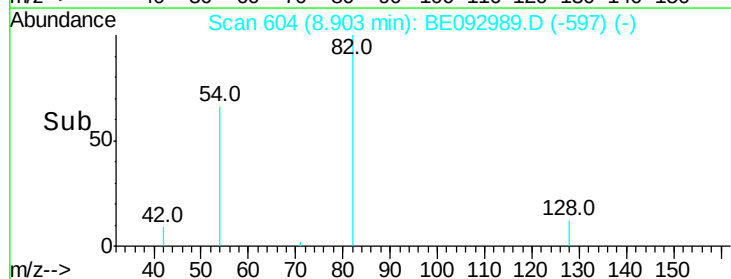
54 78.6 53.8 80.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Abundance

8.90

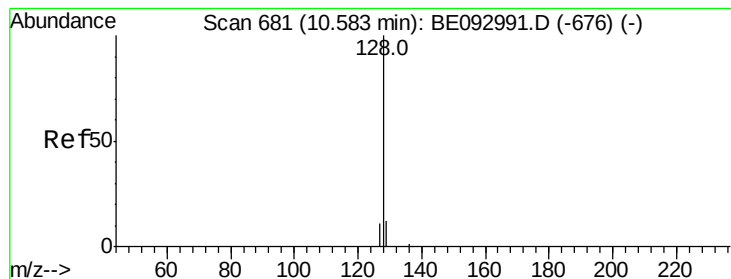
150

100

50

0

Time-->



#9

Naphthalene

Concen: 0.11 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampled :

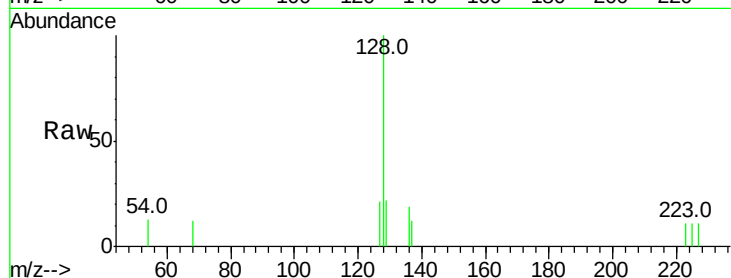
Tot Ion:128 Resp: 792

Ion Ratio Lower Upper

128 100

129 22.3 11.4 17.0#

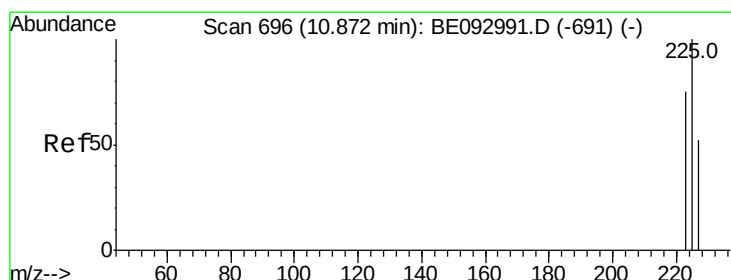
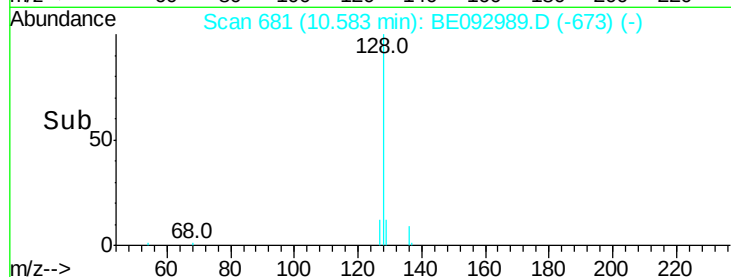
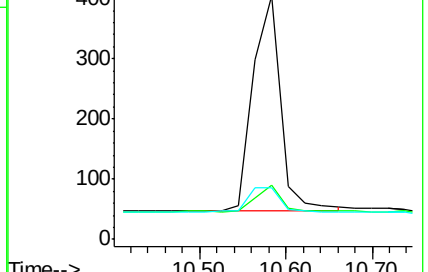
127 21.3 11.2 16.8#



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



#10

Hexachlorobutadiene

Concen: 0.11 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

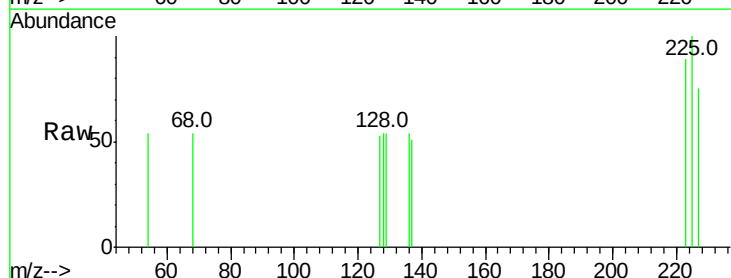
Tgt Ion:225 Resp: 112

Ion Ratio Lower Upper

225 100

223 59.8 49.7 74.5

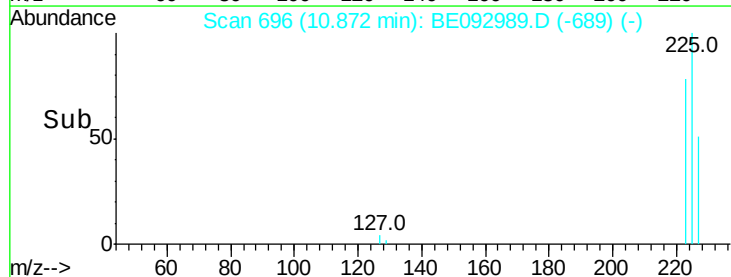
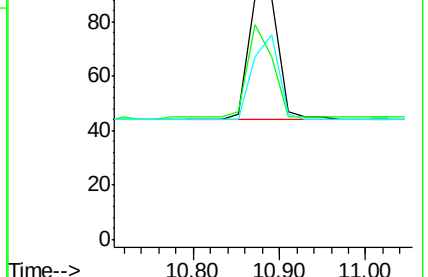
227 58.0 50.3 75.5

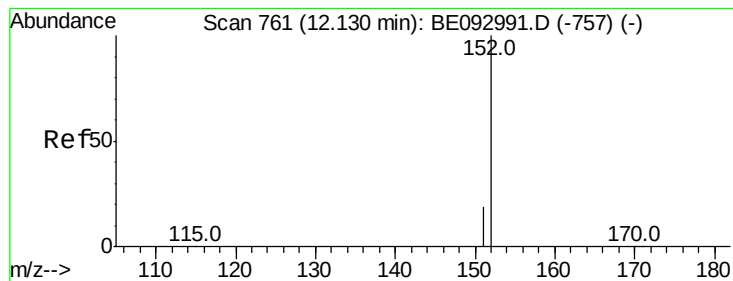


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

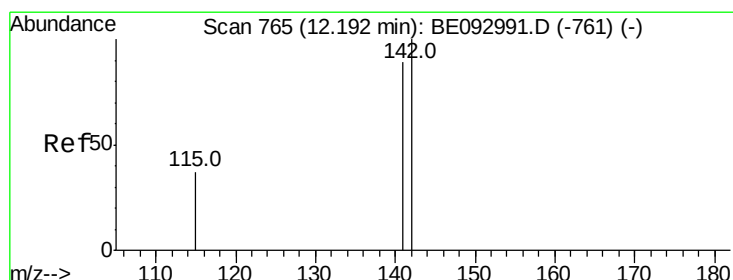
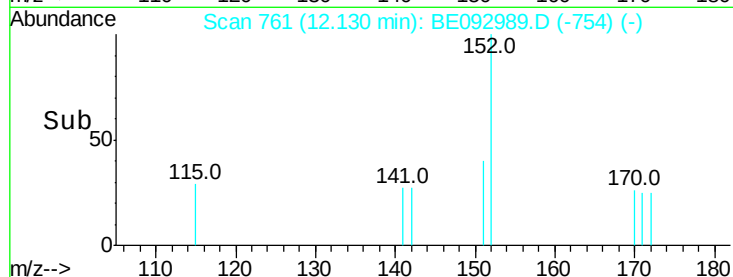
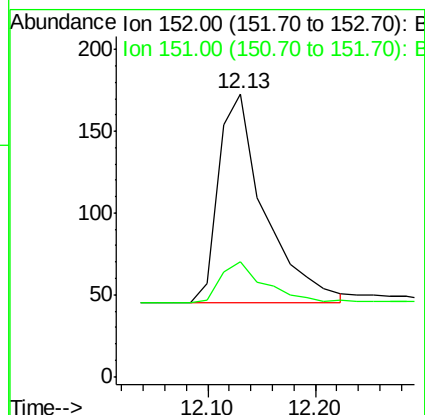
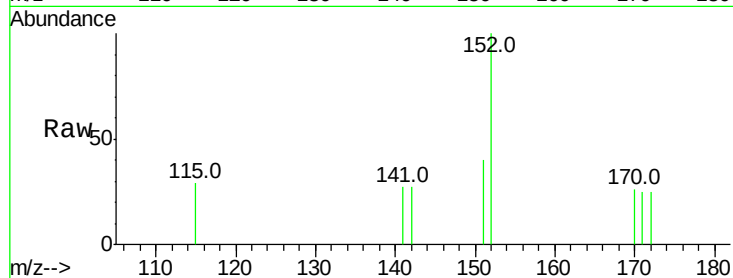




#11
 2-Methylnaphthalene-d10
 Concen: 0.10 ng
 RT: 12.13 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE092989.D
 Acq: 11 May 2017 10:41

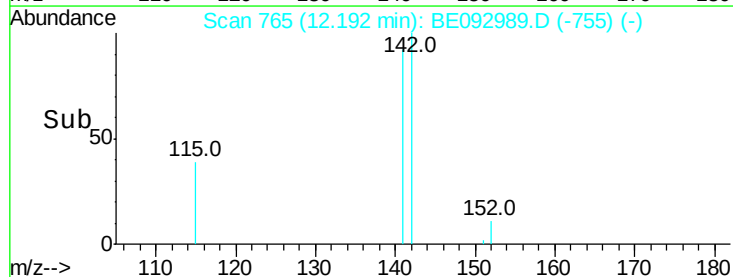
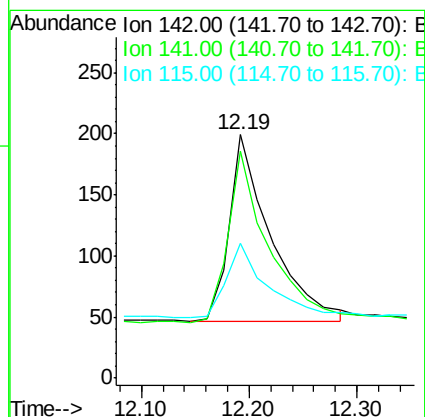
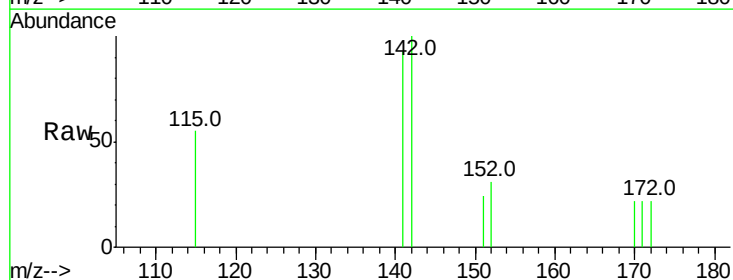
Instrument :
 BNA_E
 ClientSampleId :

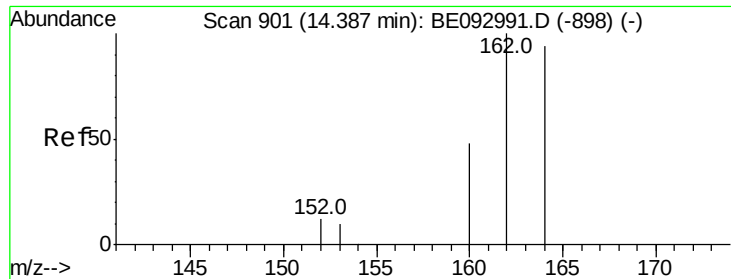
Tot Ion:152 Resp: 380
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.10 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE092989.D
 Acq: 11 May 2017 10:41

Tgt Ion:142 Resp: 408
 Ion Ratio Lower Upper
 142 100
 141 93.5 72.6 108.8
 115 55.3 32.2 48.2#





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.40 min Scan# 902

Delta R.T. 0.02 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

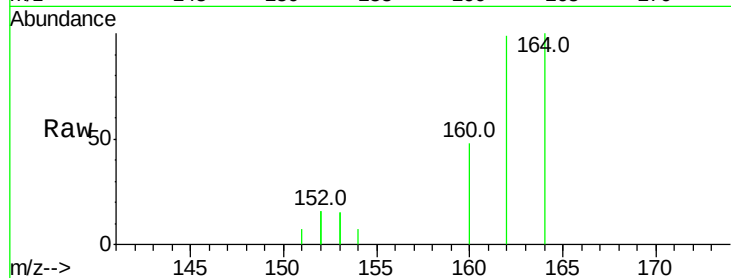
Tot Ion:164 Resp: 1359

Ion Ratio Lower Upper

164 100

162 99.2 84.6 127.0

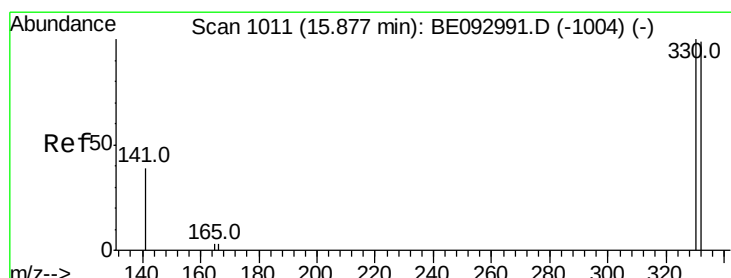
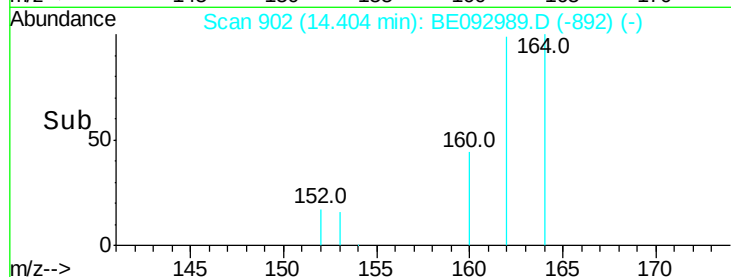
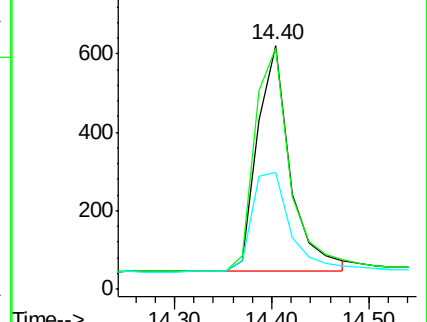
160 47.8 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.10 ng

RT: 15.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

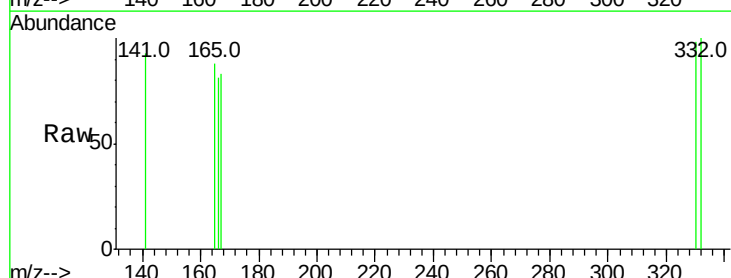
Tgt Ion:330 Resp: 36

Ion Ratio Lower Upper

330 100

332 105.6 77.7 116.5

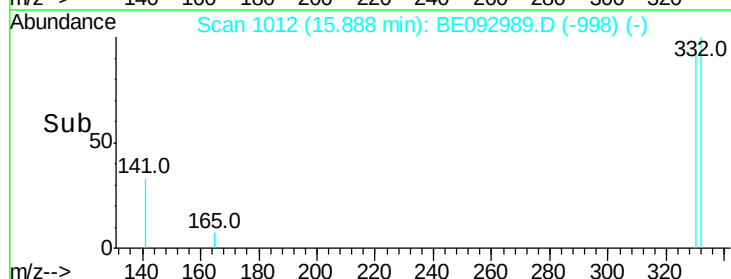
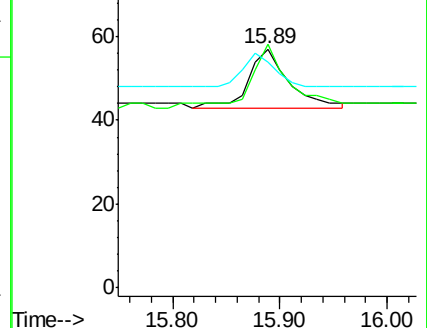
141 44.4 56.2 84.4#

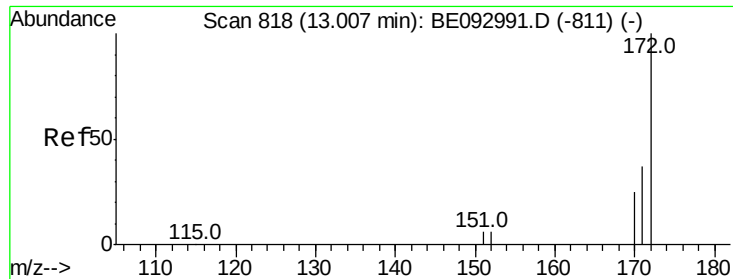


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

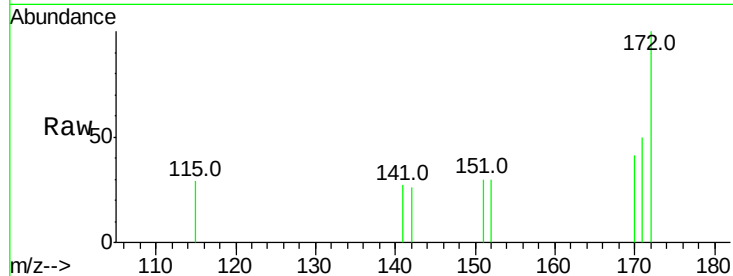




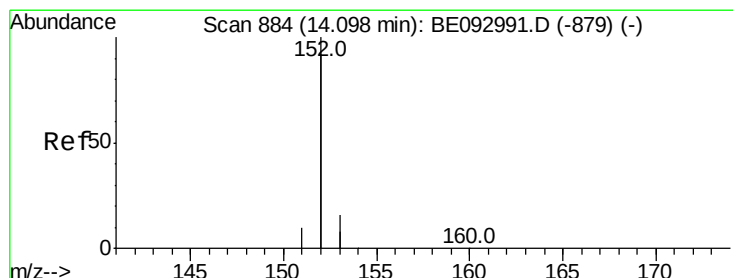
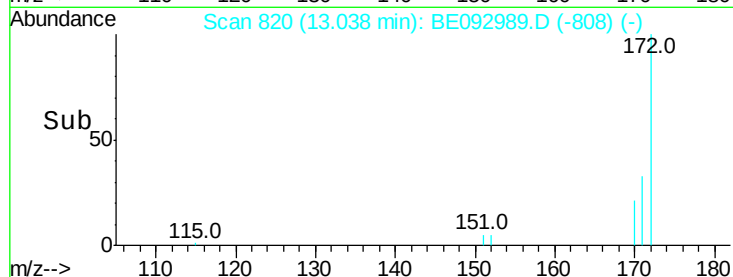
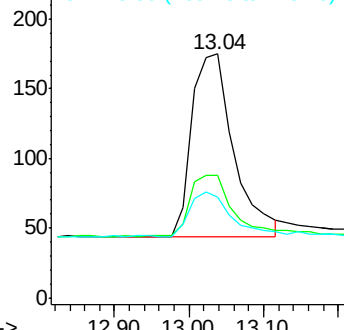
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.04 min Scan# 820
Delta R.T. 0.03 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 508
Ion Ratio Lower Upper
172 100
171 50.3 29.8 44.6#
170 41.1 20.7 31.1#

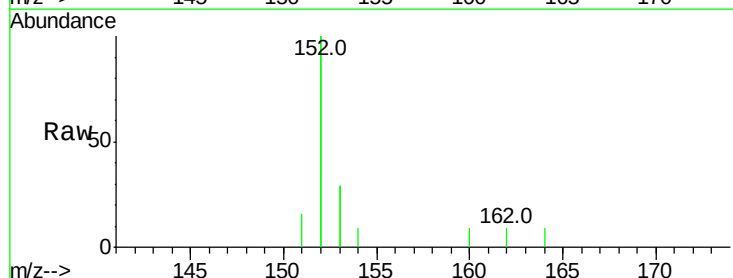


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

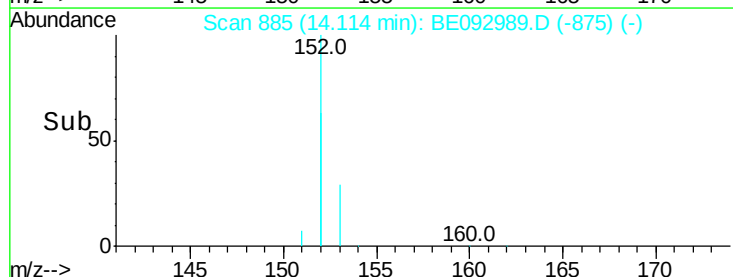
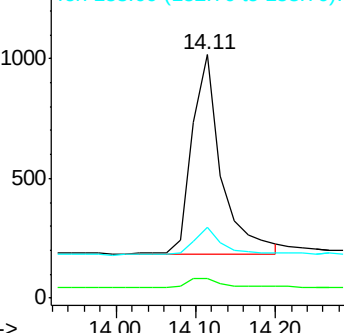


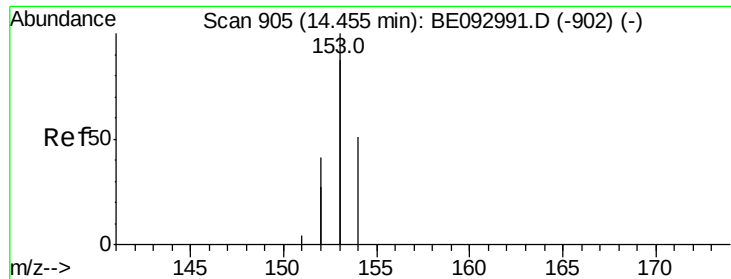
#16
Acenaphthylene
Concen: 0.10 ng
RT: 14.11 min Scan# 885
Delta R.T. 0.02 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:152 Resp: 2142
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 12.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

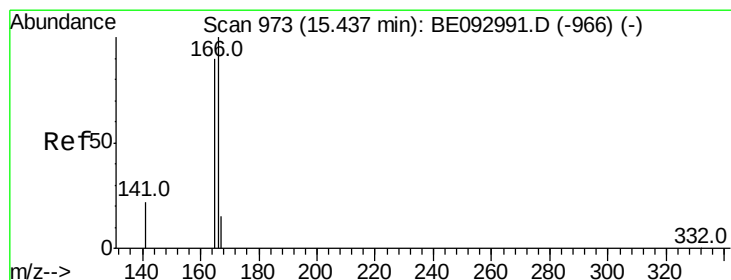
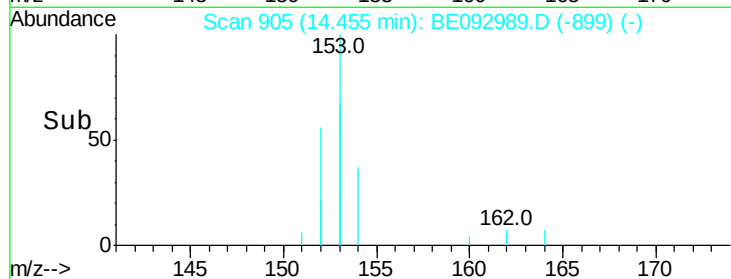
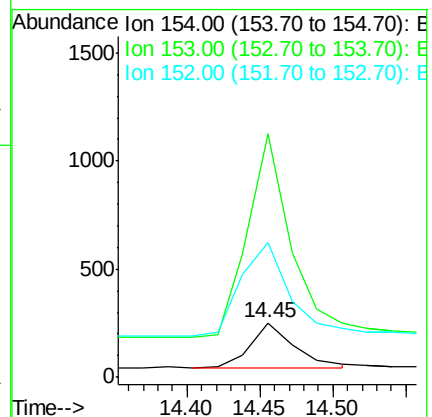
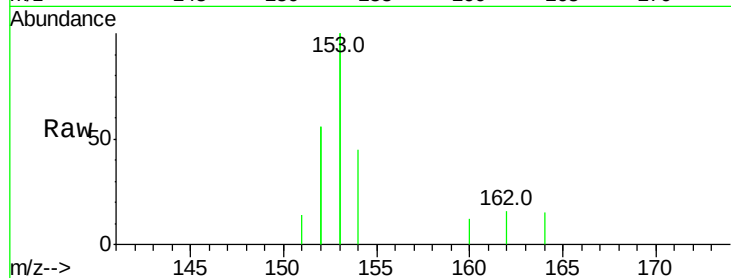




#17
Acenaphthene
Concen: 0.10 ng
RT: 14.45 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

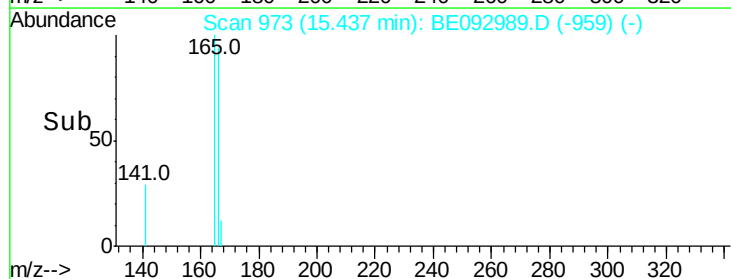
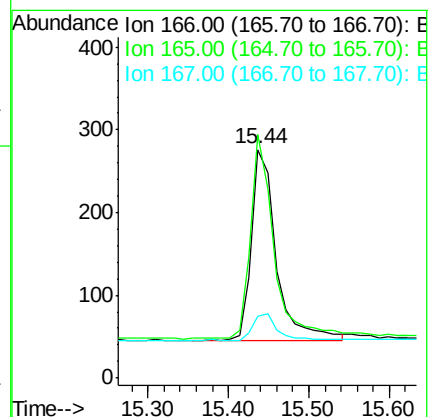
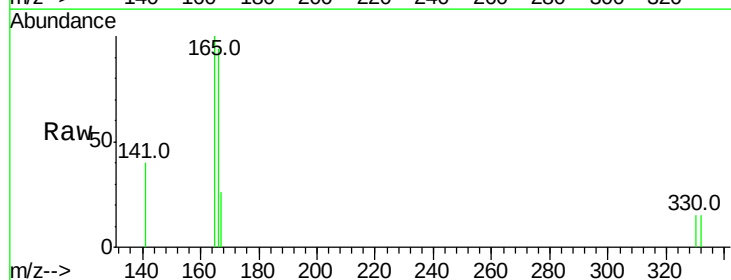
Instrument :
BNA_E
ClientSampleId :

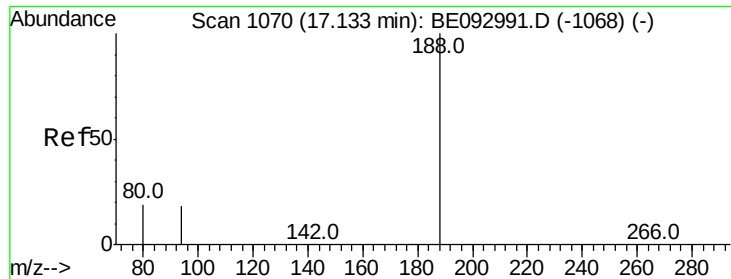
Tot Ion:154 Resp: 423
Ion Ratio Lower Upper
154 100
153 468.3 367.8 551.6
152 233.8 188.2 282.2



#18
Fluorene
Concen: 0.10 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:166 Resp: 497
Ion Ratio Lower Upper
166 100
165 99.4 78.6 117.8
167 14.5 11.1 16.7

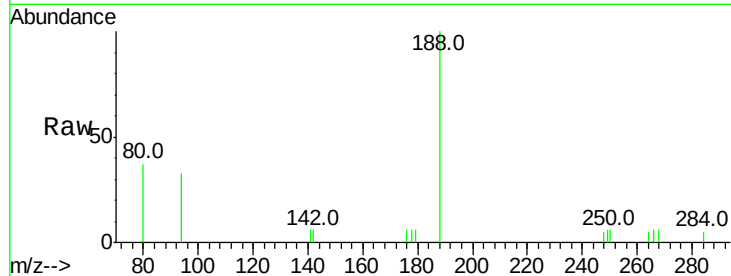




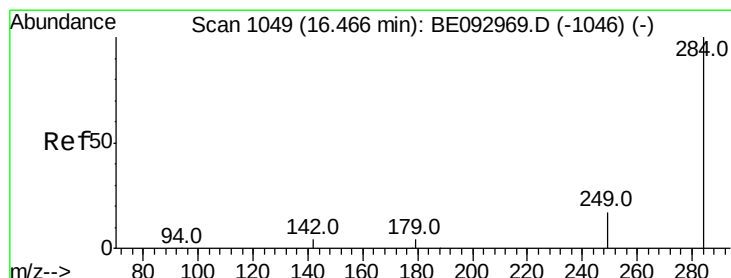
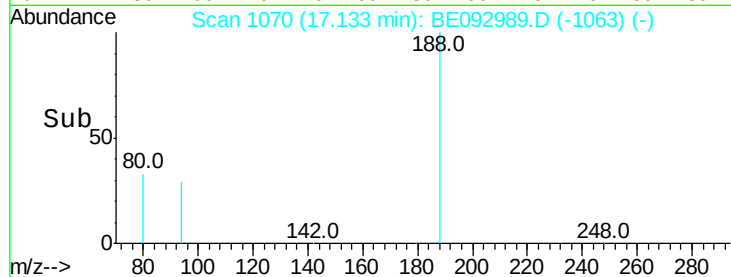
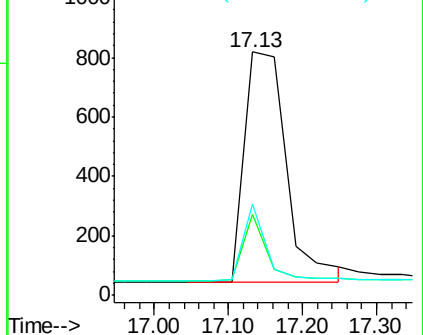
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 3059
Ion Ratio Lower Upper
188 100
94 33.3 11.3 16.9#
80 37.4 11.7 17.5#

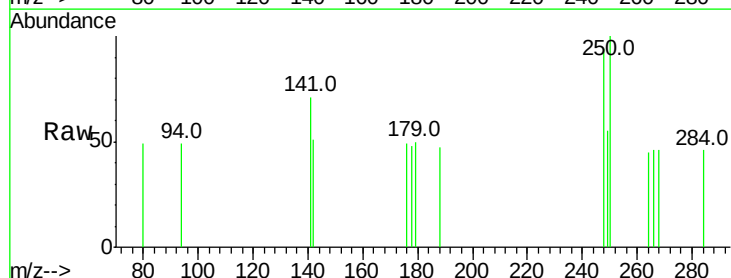


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

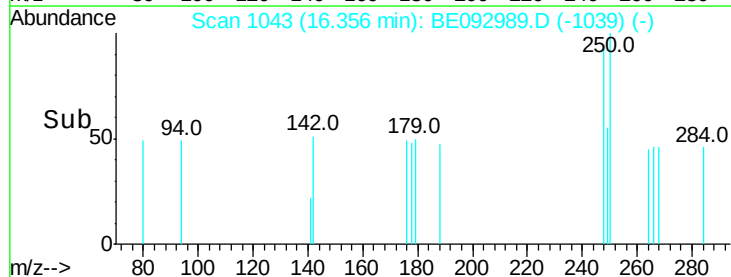
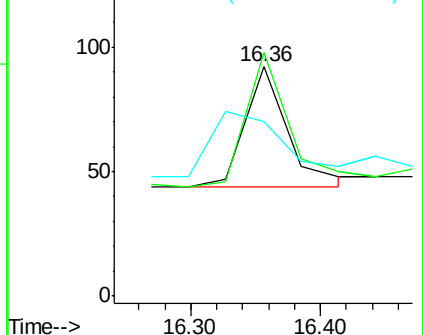


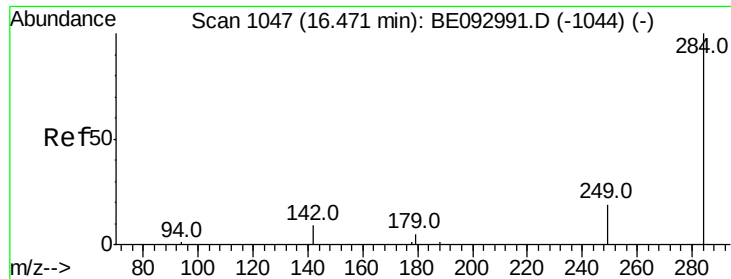
#20
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.36 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:248 Resp: 109
Ion Ratio Lower Upper
248 100
250 106.5 100.0 150.0
141 76.1 40.0 60.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

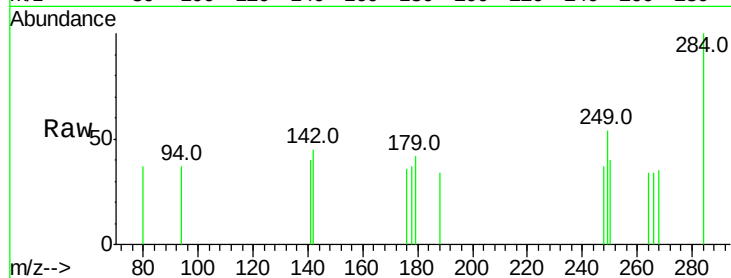




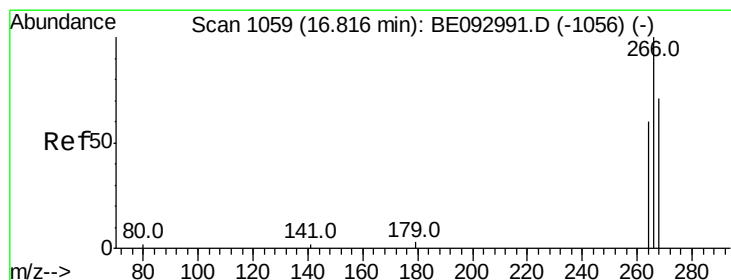
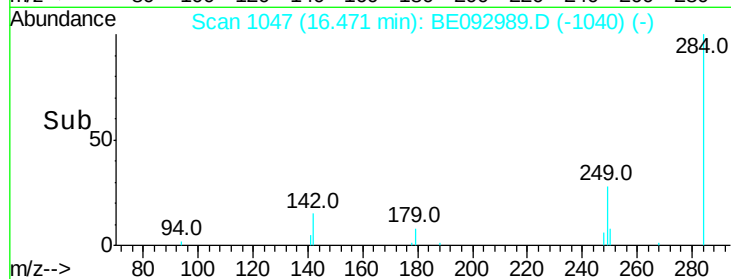
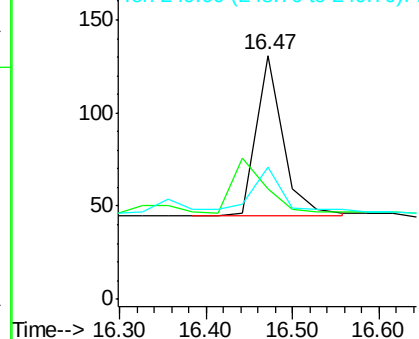
#21
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 181
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 27.6 0.0 0.0#

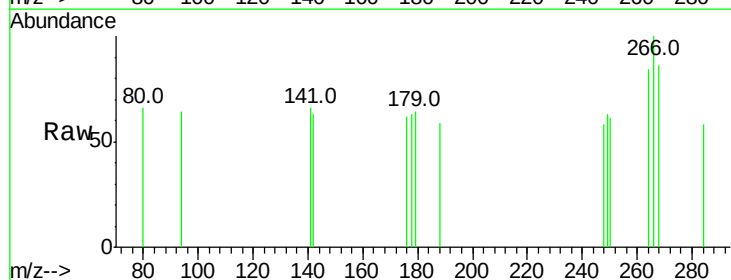


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

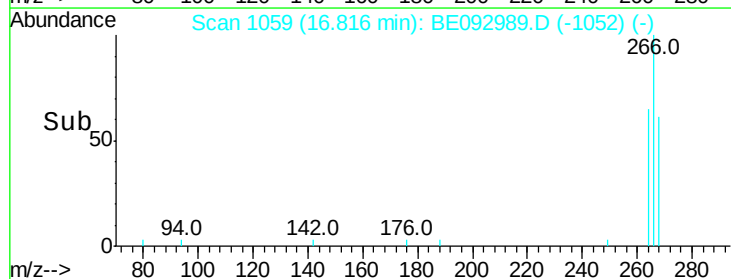
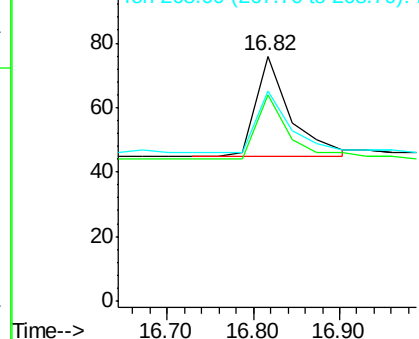


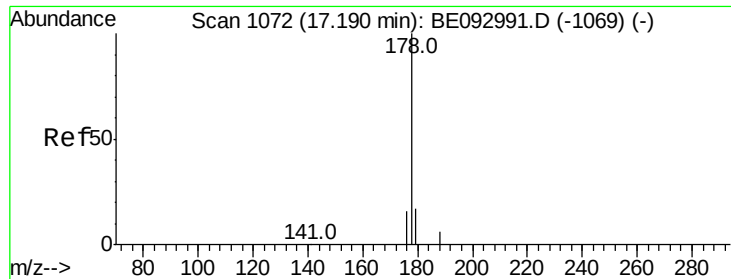
#22
Pentachlorophenol
Concen: 0.18 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:266 Resp: 85
Ion Ratio Lower Upper
266 100
264 84.2 58.2 87.2
268 85.5 71.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.12 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.01 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

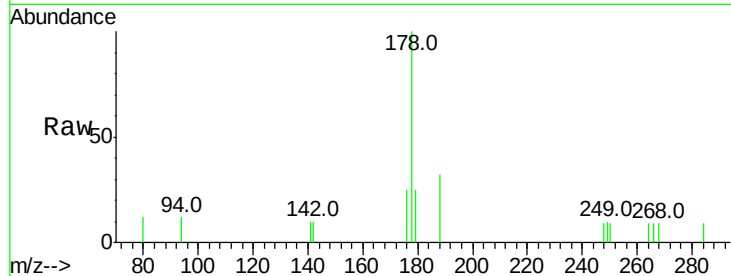
Tot Ion:178 Resp: 930

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 16.7 12.7 19.1



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

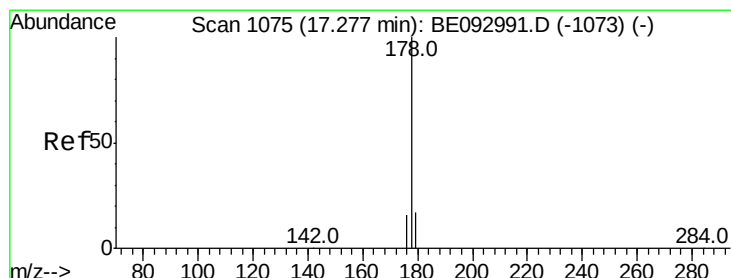
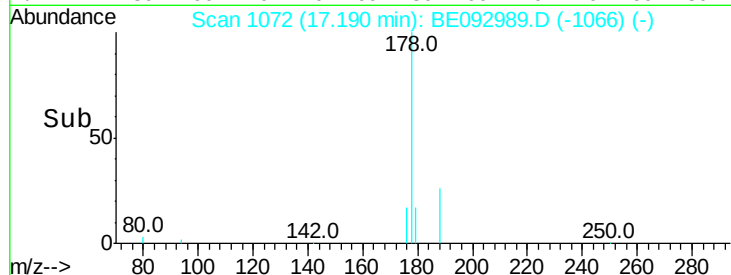
17.19

400

200

0

Time-->



#24

Anthracene

Concen: 0.11 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

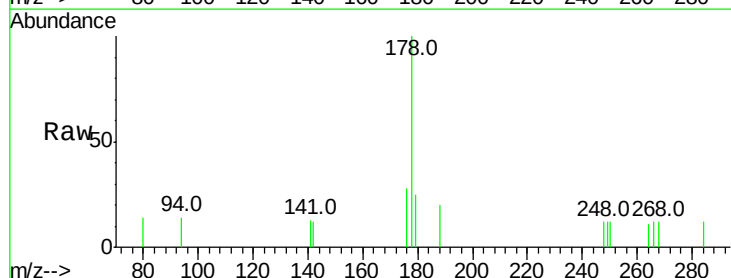
Tgt Ion:178 Resp: 699

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.0 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

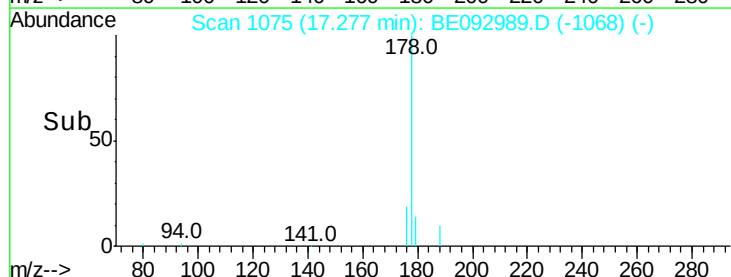
17.28

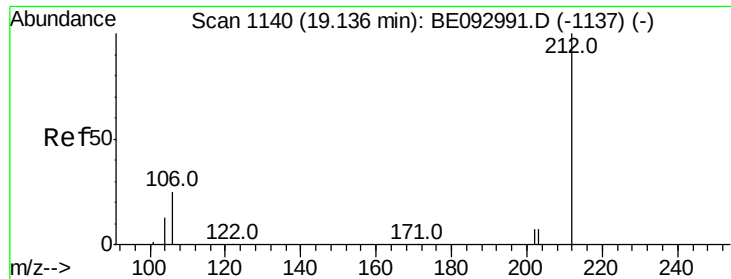
400

200

0

Time-->





#25

Fluoranthene-d10

Concen: 0.11 ng

RT: 19.16 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

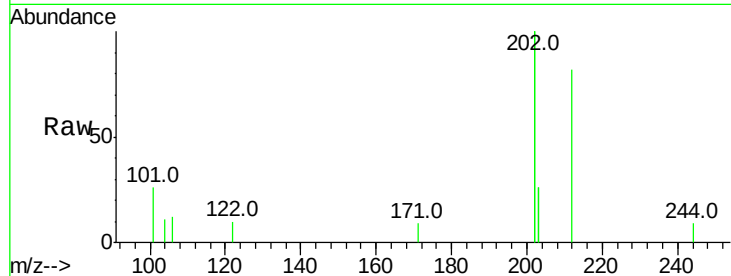
Tot Ion:212 Resp: 929

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

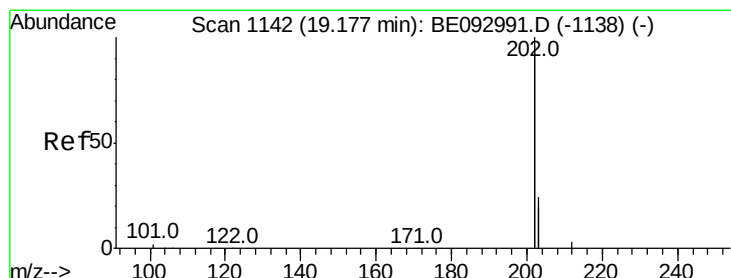
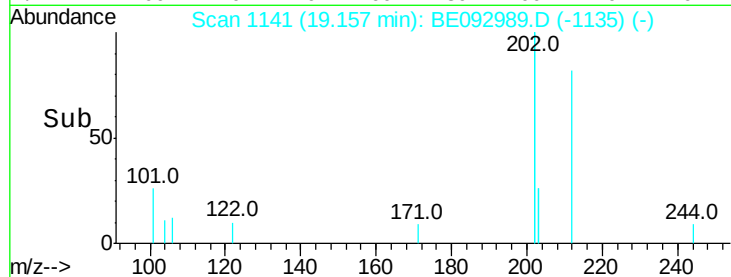
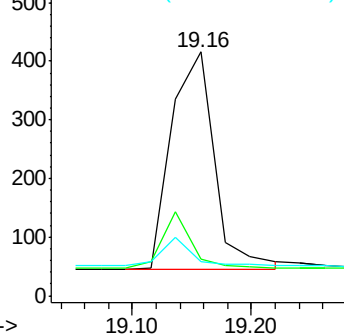
104 0.0 0.0 0.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.11 ng

RT: 19.18 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

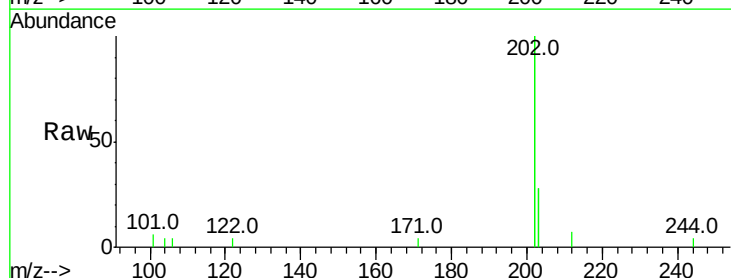
Tgt Ion:202 Resp: 4377

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

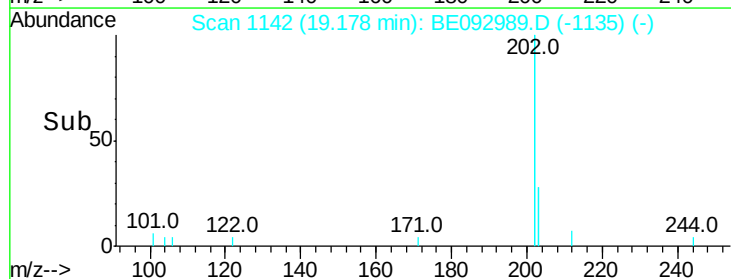
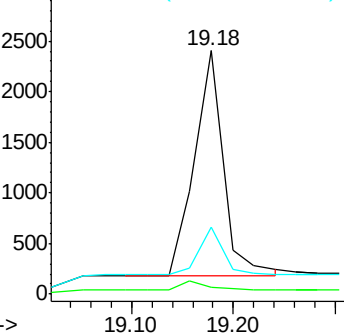
203 18.0 14.4 21.6

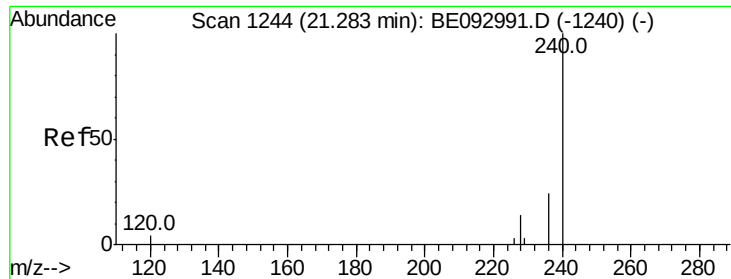


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

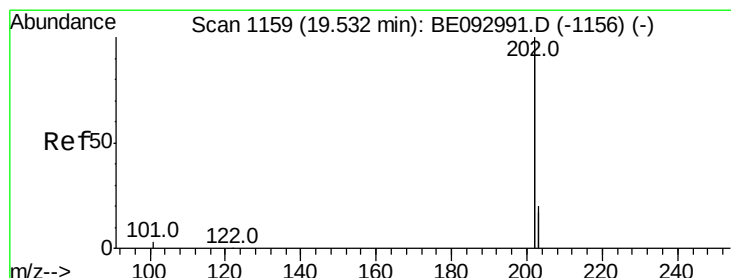
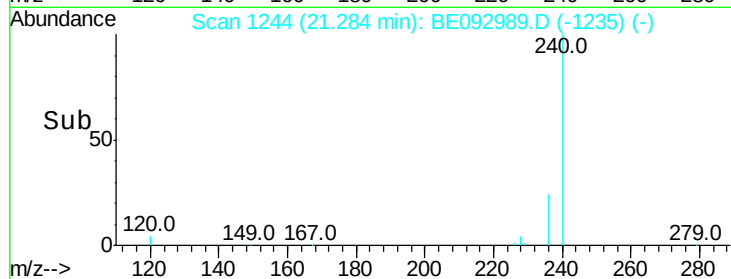
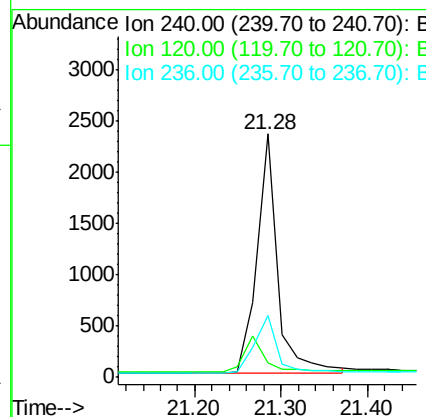
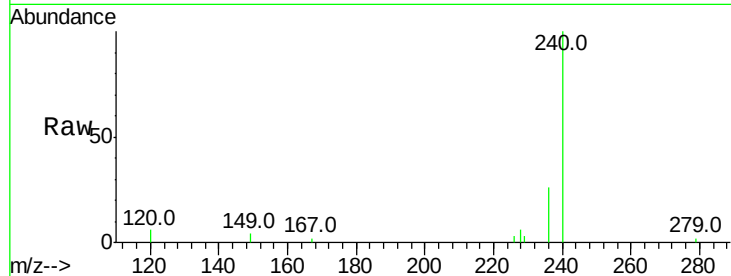




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

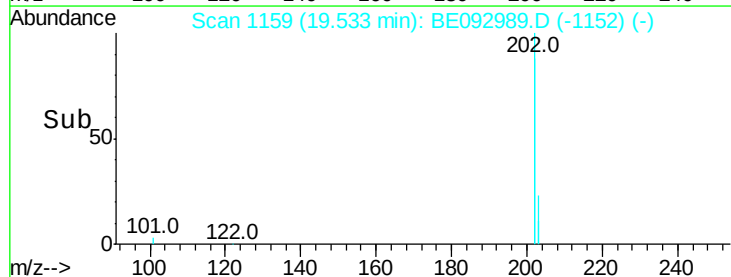
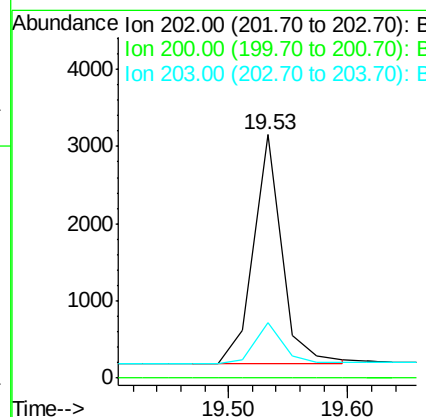
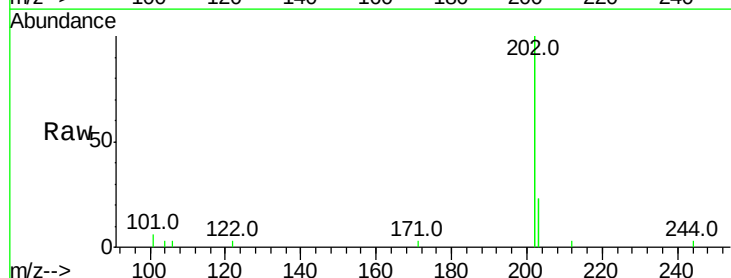
Instrument :
BNA_E
ClientSampleId :

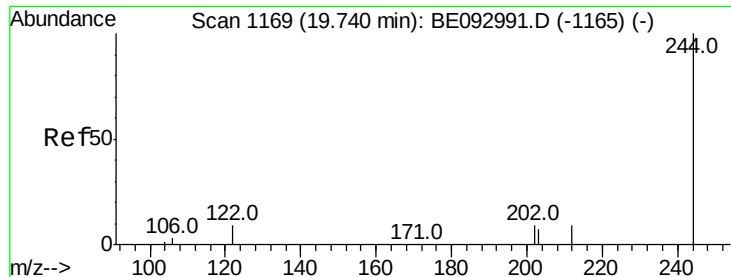
Tot Ion:240 Resp: 3877
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 25.6 20.8 31.2



#28
Pyrene
Concen: 0.10 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:202 Resp: 4916
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 17.6 13.7 20.5

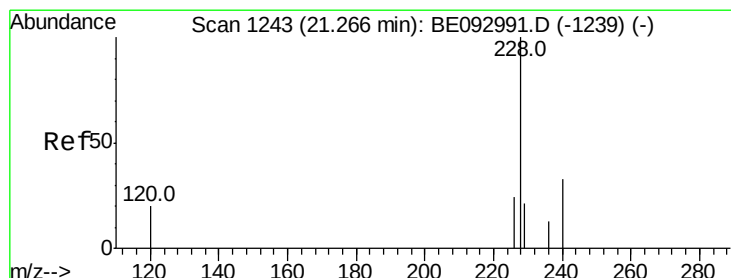
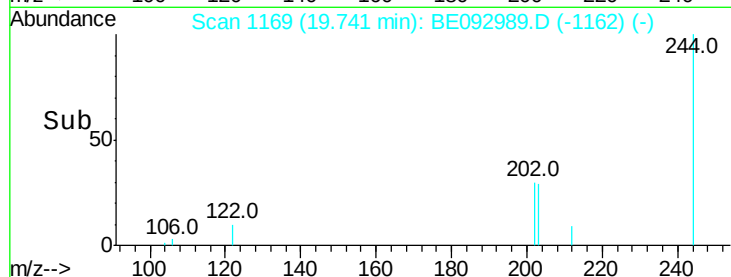
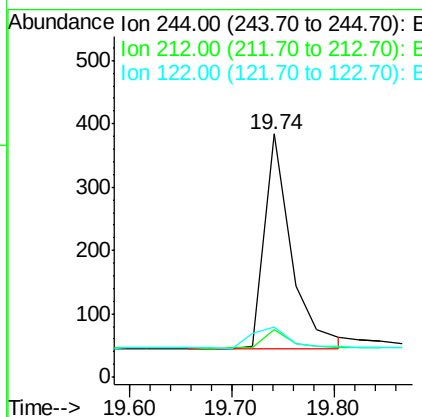
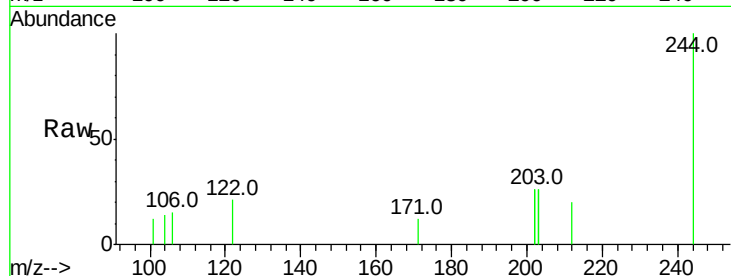




#29
 Terphenyl-d14
 Concen: 0.09 ng
 RT: 19.74 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BE092989.D
 Acq: 11 May 2017 10:41

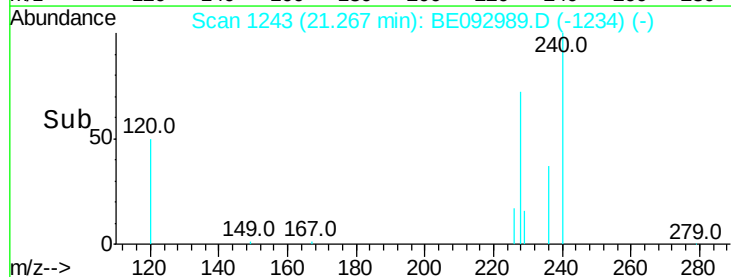
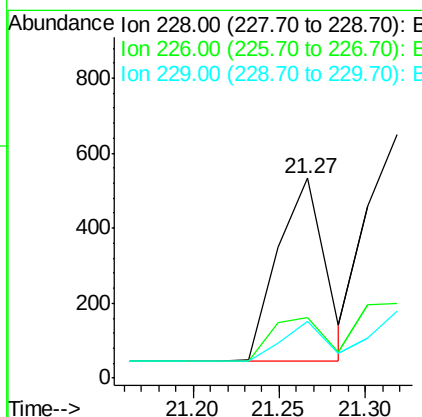
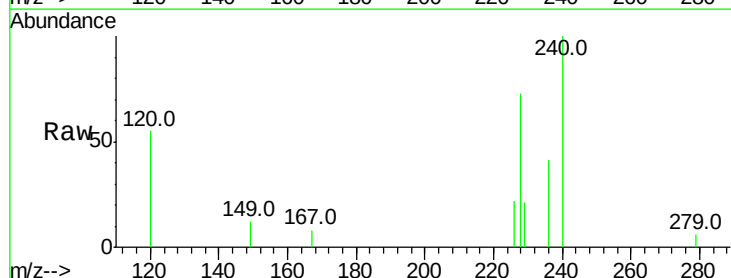
Instrument :
 BNA_E
 ClientSampled :

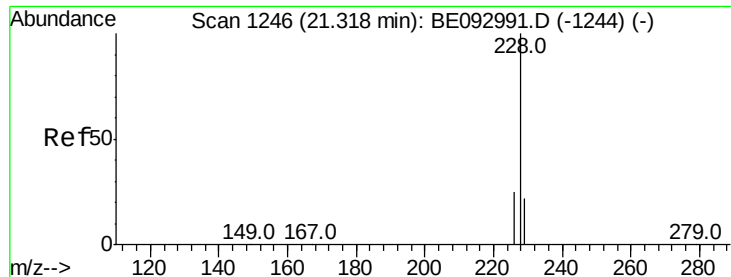
Tot Ion:244 Resp: 618
 Ion Ratio Lower Upper
 244 100
 212 19.8 10.6 16.0#
 122 20.6 15.4 23.0



#30
 Benzo(a)anthracene
 Concen: 0.10 ng
 RT: 21.27 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BE092989.D
 Acq: 11 May 2017 10:41

Tgt Ion:228 Resp: 925
 Ion Ratio Lower Upper
 228 100
 226 30.2 19.7 29.5#
 229 28.5 19.2 28.8





#31

Chrysene

Concen: 0.11 ng

RT: 21.32 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampled :

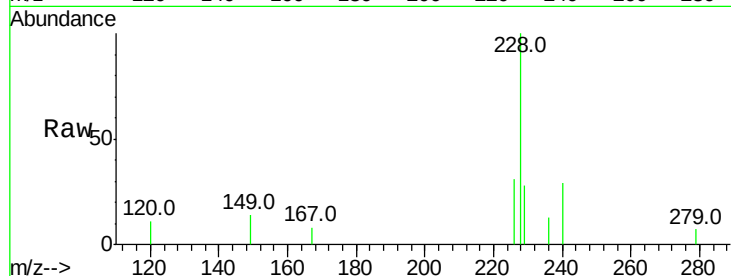
Tot Ion:228 Resp: 1274

Ion Ratio Lower Upper

228 100

226 30.7 21.5 32.3

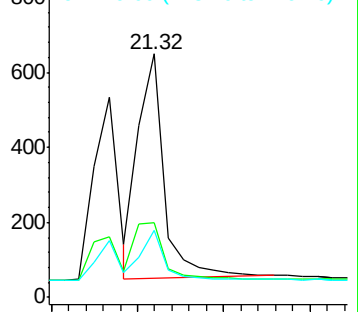
229 27.6 18.6 28.0



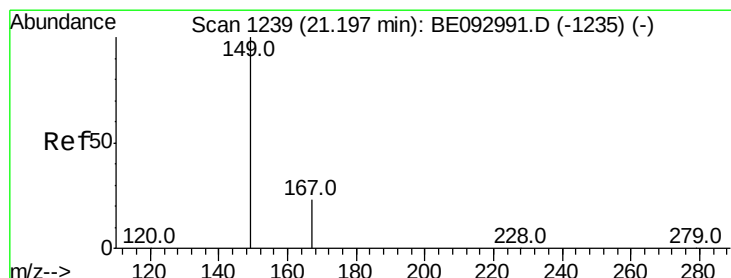
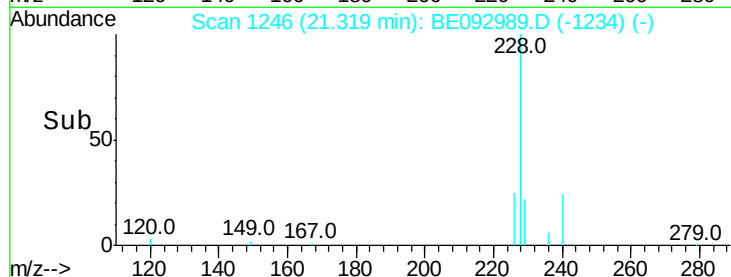
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.30 21.40 21.50



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

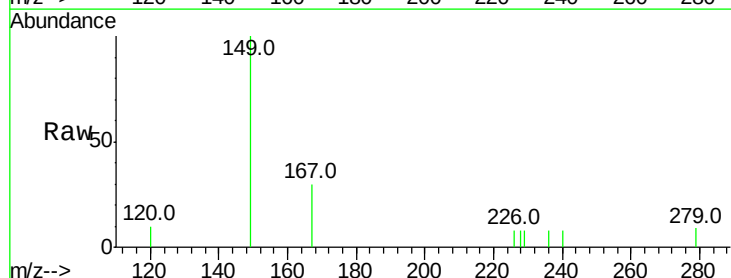
Tgt Ion:149 Resp: 577

Ion Ratio Lower Upper

149 100

167 27.0 20.1 30.1

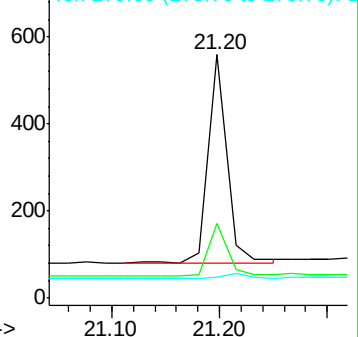
279 2.6 2.2 3.4



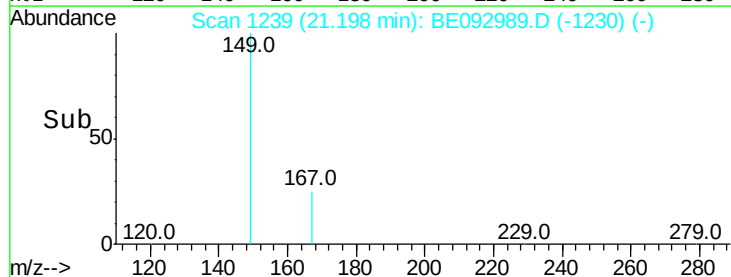
Abundance Ion 149.00 (148.70 to 149.70): E

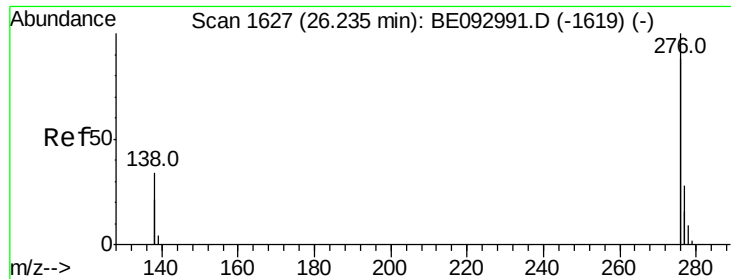
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.10 21.20





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng

RT: 26.25 min Scan# 1628

Delta R.T. 0.02 min

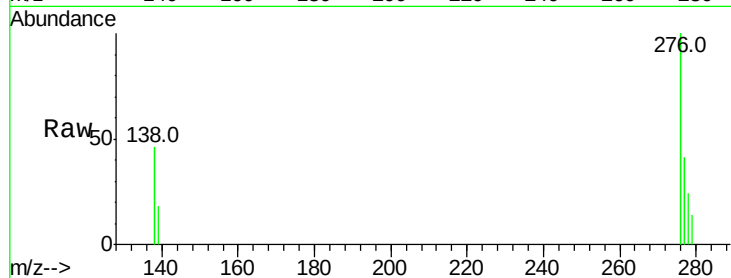
Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 3875

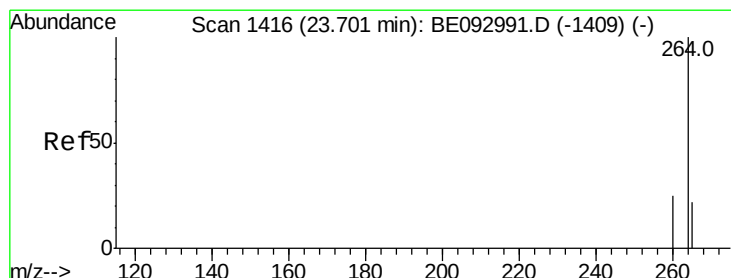
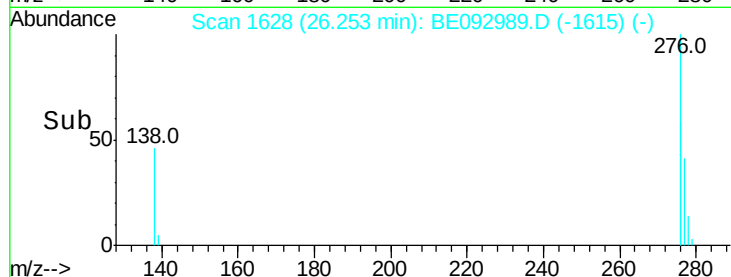
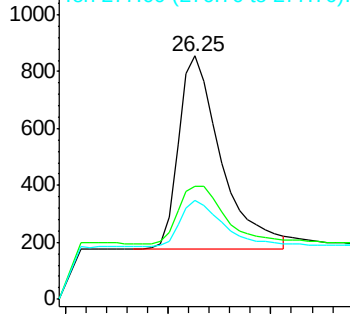
Ion Ratio Lower Upper

276 100

138 33.4 27.4 41.2

277 24.5 20.1 30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Tgt Ion:264 Resp: 3305

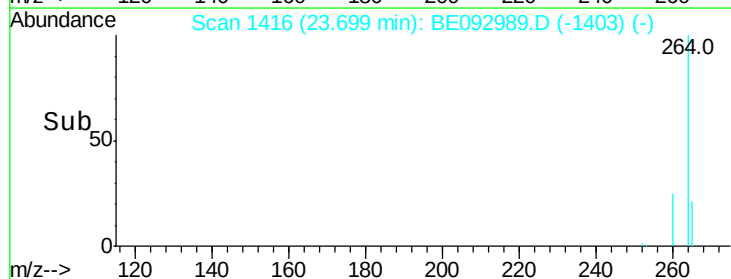
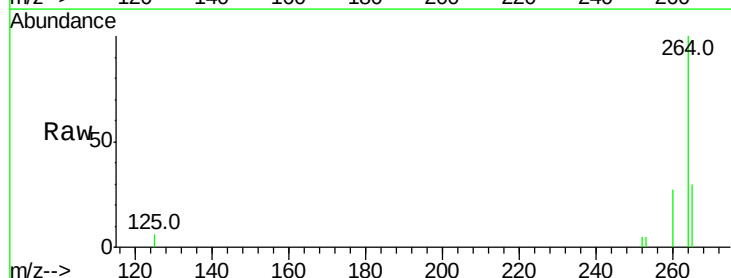
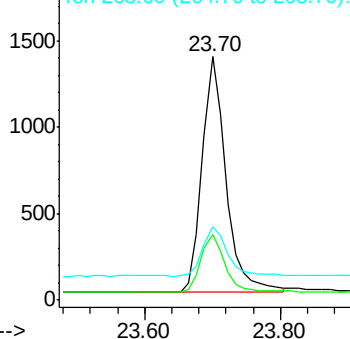
Ion Ratio Lower Upper

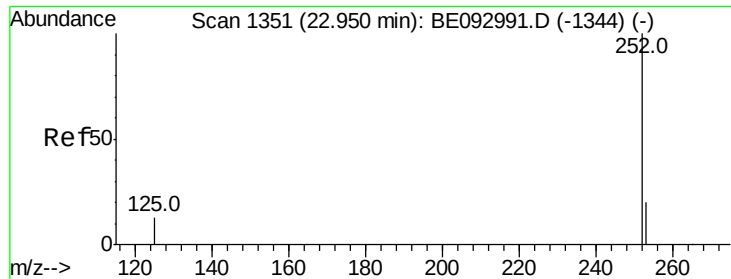
264 100

260 27.2 21.0 31.4

265 29.9 24.6 36.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

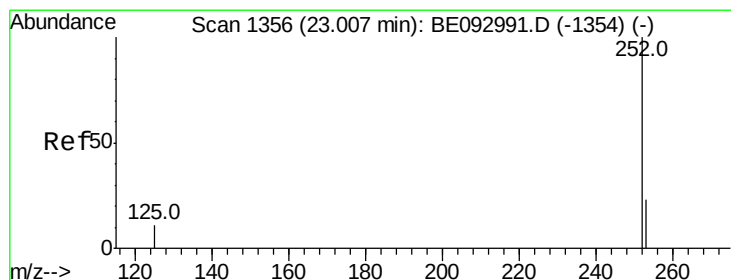
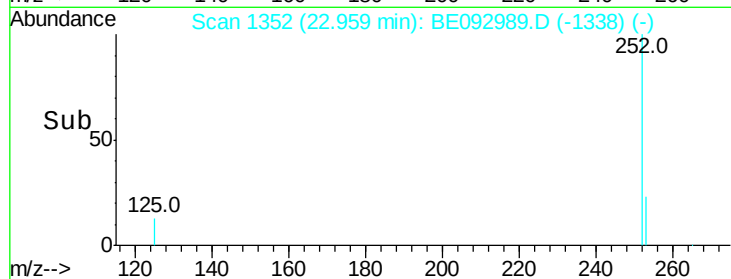
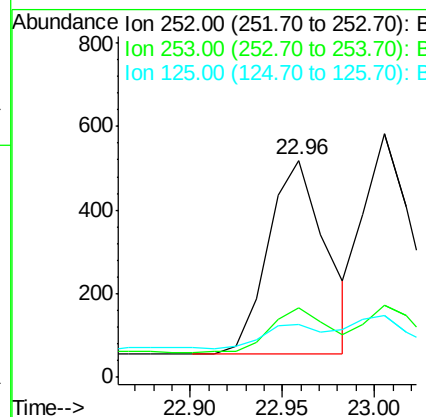
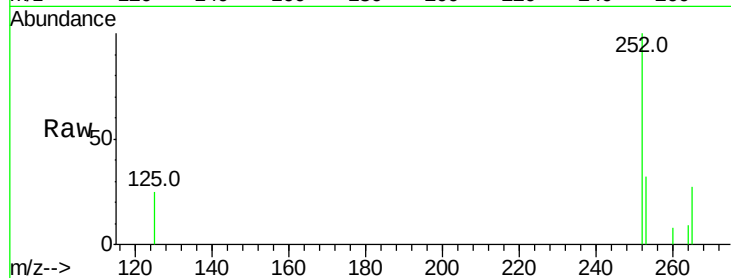




#35
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 22.96 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

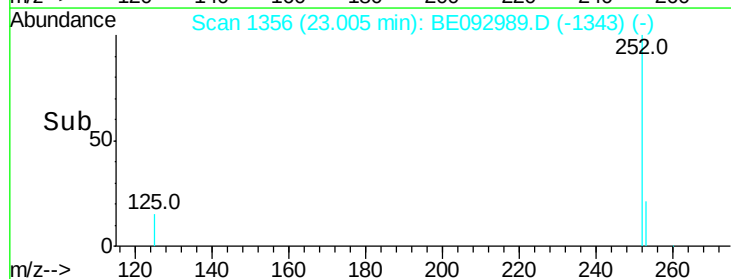
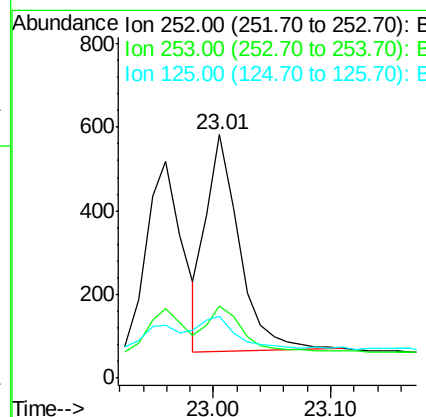
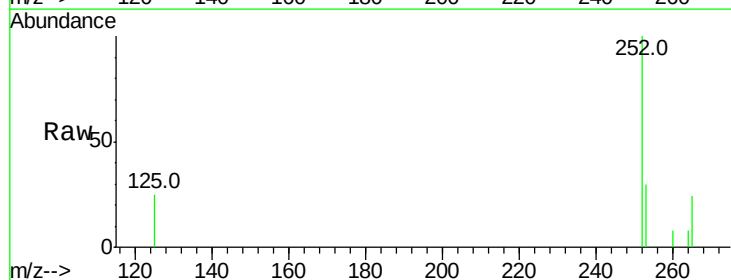
Instrument :
BNA_E
ClientSampleId :

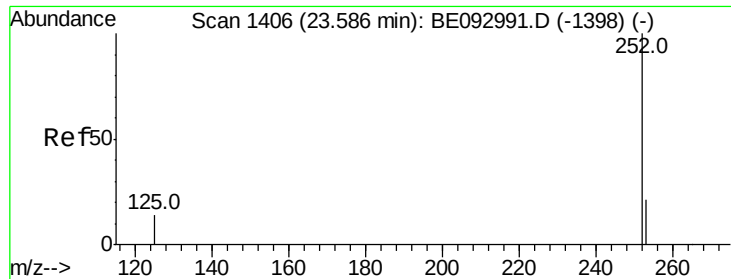
Tot Ion:252 Resp: 1010
Ion Ratio Lower Upper
252 100
253 32.2 18.5 27.7#
125 24.7 13.4 20.0#



#36
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 23.01 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:252 Resp: 1018
Ion Ratio Lower Upper
252 100
253 29.7 20.3 30.5
125 25.4 12.2 18.4#

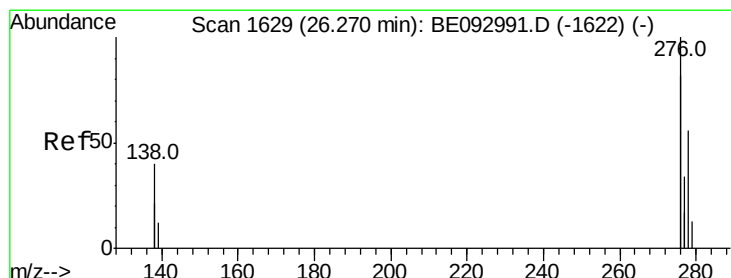
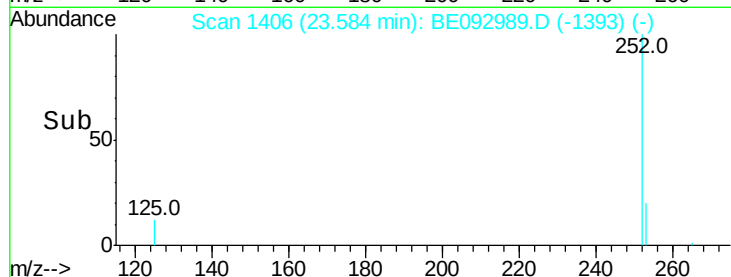
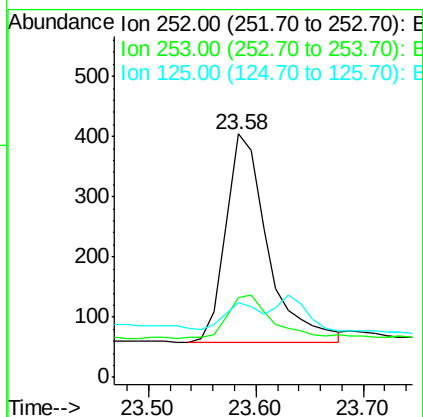
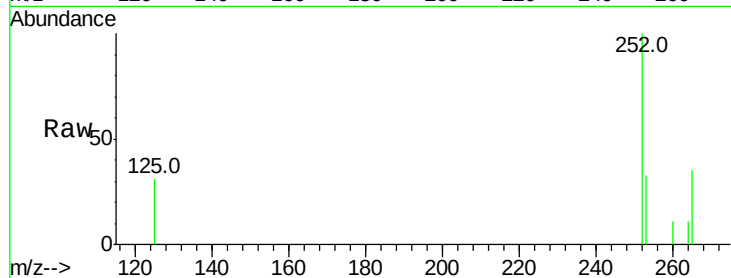




#37
Benzo(a)pyrene
Concen: 0.10 ng
RT: 23.58 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

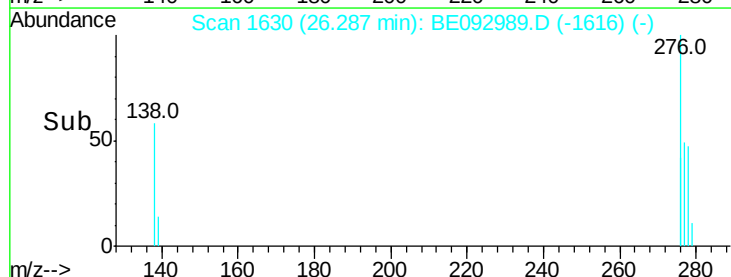
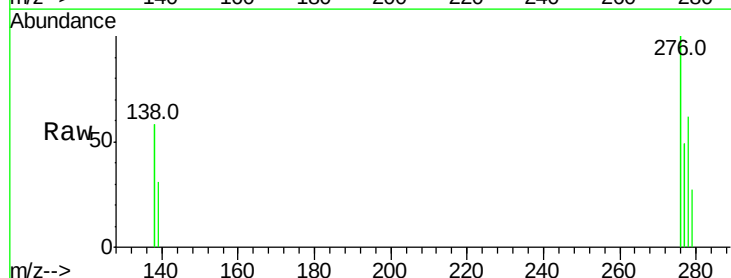
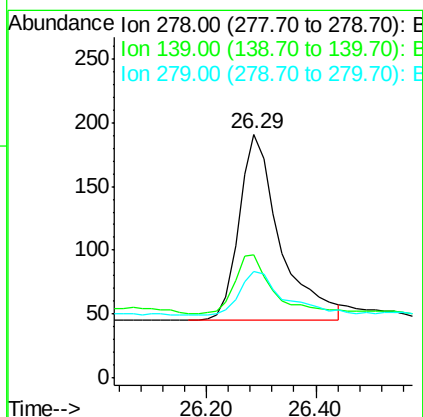
Instrument :
BNA_E
ClientSampleId :

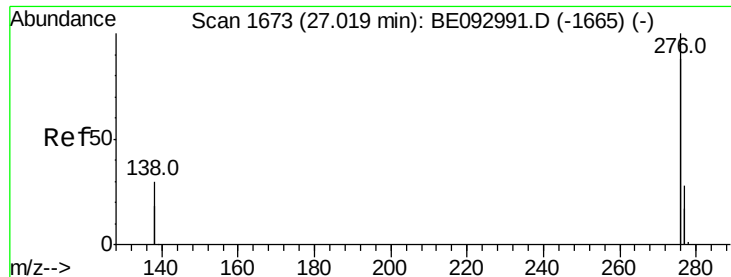
Tot Ion:252 Resp: 928
Ion Ratio Lower Upper
252 100
253 32.9 19.9 29.9#
125 30.7 14.6 21.8#



#38
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 26.29 min Scan# 1630
Delta R.T. 0.04 min
Lab File: BE092989.D
Acq: 11 May 2017 10:41

Tgt Ion:278 Resp: 753
Ion Ratio Lower Upper
278 100
139 50.3 21.4 32.0#
279 43.5 22.2 33.2#





#39

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 27.02 min Scan# 1673

Delta R.T. 0.02 min

Lab File: BE092989.D

Acq: 11 May 2017 10:41

Instrument :

BNA_E

ClientSampleId :

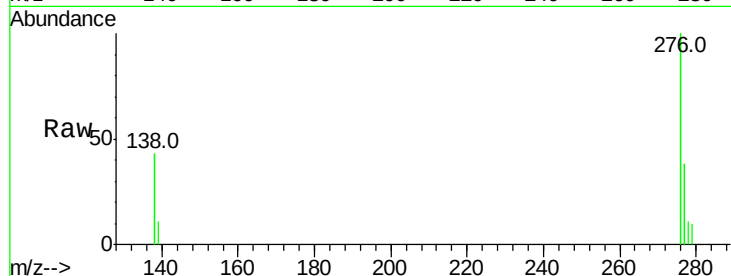
Tot Ion:276 Resp: 3591

Ion Ratio Lower Upper

276 100

277 38.0 21.2 31.8#

138 43.2 24.5 36.7#



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

