

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113015\
 Data File : BM003325.D
 Acq On : 30 Nov 2015 18:59
 Operator : UM/IZ
 Sample : PB86824BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB86824BS

Quant Time: Dec 01 02:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM112715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 27 16:36:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	63153	5.00	ng	-0.02
7) Naphthalene-d8	10.51	136	276163	5.00	ng	-0.02
13) Acenaphthene-d10	14.37	164	159862	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	371779	5.00	ng	0.00
26) Chrysene-d12	21.33	240	210269	5.00	ng	0.01
35) Perylene-d12	23.58	264	171156	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	108148	8.68	ng	0.00
5) Phenol-d6	6.88	99	144047	10.08	ng	-0.02
8) Nitrobenzene-d5	8.88	82	63319	5.15	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	39738	10.63	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	208541	4.04	ng	0.00
29) Terphenyl-d14	19.76	244	159806	5.45	ng	0.00

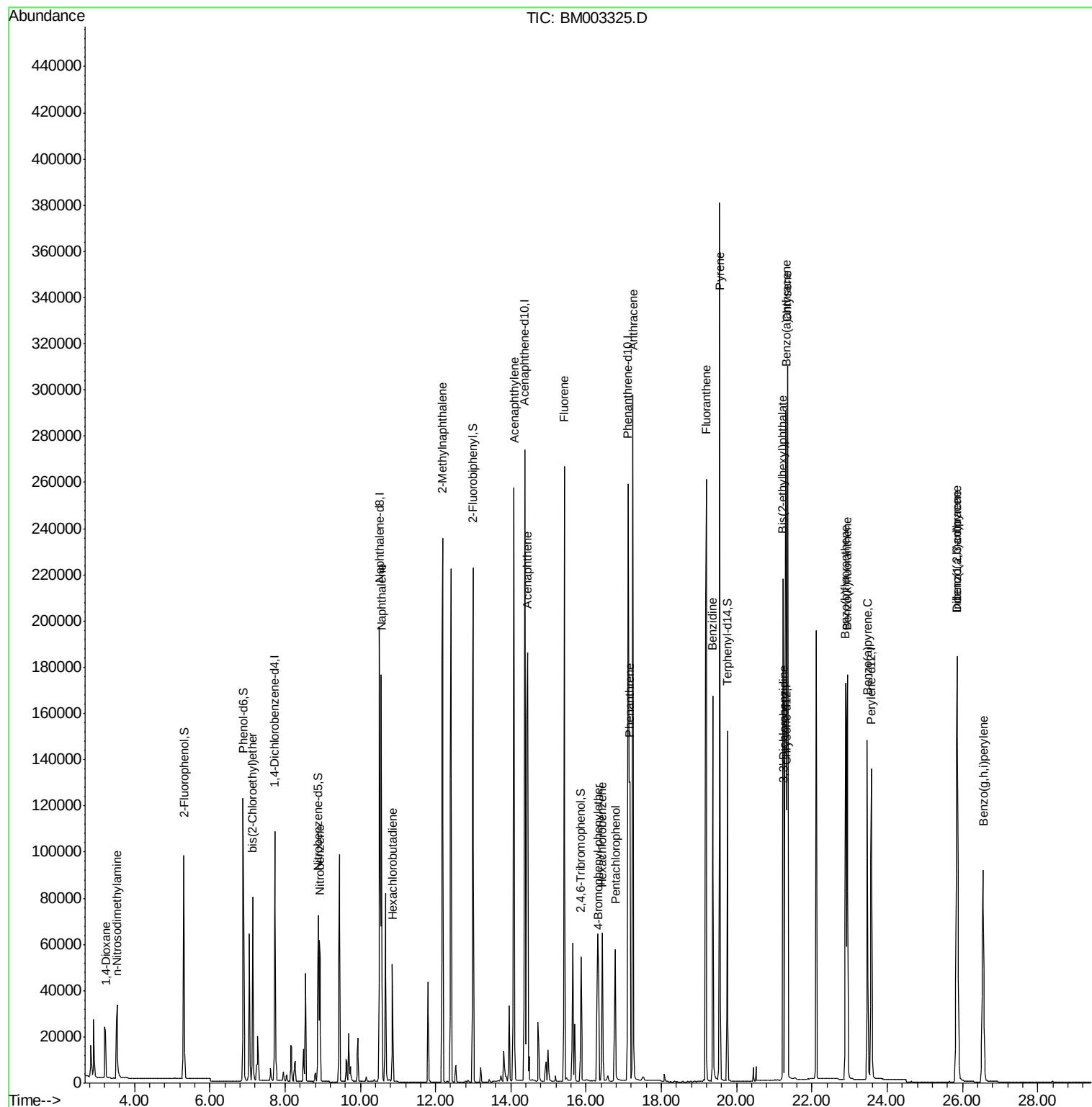
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	21128	3.91	ng	96
3) n-Nitrosodimethylamine	3.52	42	25223	4.32	ng	99
6) bis(2-Chloroethyl)ether	7.14	93	64176	4.39	ng	100
9) Nitrobenzene	8.92	77	65538	4.87	ng	96
10) Naphthalene	10.56	128	237082	3.97	ng	98
11) Hexachlorobutadiene	10.85	225	36578	4.03	ng	98
12) 2-Methylnaphthalene	12.18	142	172874	4.62	ng	94
16) Acenaphthylene	14.08	152	299627	5.12	ng	100
17) Acenaphthene	14.44	154	177818	3.93	ng	# 100
18) Fluorene	15.42	166	201698	4.42	ng	100
20) 4-Bromophenyl-phenylether	16.32	248	45237	3.30	ng	# 35
21) Hexachlorobenzene	16.42	284	52207	4.00	ng	# 59
22) Pentachlorophenol	16.78	266	51370	7.57	ng	# 76
23) Phenanthrene	17.16	178	288808	3.42	ng	# 74
24) Anthracene	17.24	178	364062	5.25	ng	97
25) Fluoranthene	19.19	202	331387	4.09	ng	100
27) Benzidine	19.36	184	231394	11.51	ng	95
28) Pyrene	19.55	202	357637	5.57	ng	99
30) Benzo(a)anthracene	21.31	228	251470	4.72	ng	96
31) 3,3'-Dichlorobenzidine	21.25	252	88078	5.61	ng	# 93
32) Chrysene	21.35	228	270740	4.55	ng	98
33) Bis(2-ethylhexyl)phthalate	21.23	149	197056	7.15	ng	# 99
34) Indeno(1,2,3-cd)pyrene	25.85	276	218741	4.48	ng	# 80
36) Benzo(b)fluoranthene	22.89	252	247169	5.02	ng	95
37) Benzo(k)fluoranthene	22.94	252	200858	4.53	ng	98
38) Benzo(a)pyrene	23.47	252	206081	5.25	ng	97
39) Dibenzo(a,h)anthracene	25.86	278	177583	5.23	ng	97
40) Benzo(g,h,i)perylene	26.55	276	184971	4.54	ng	96

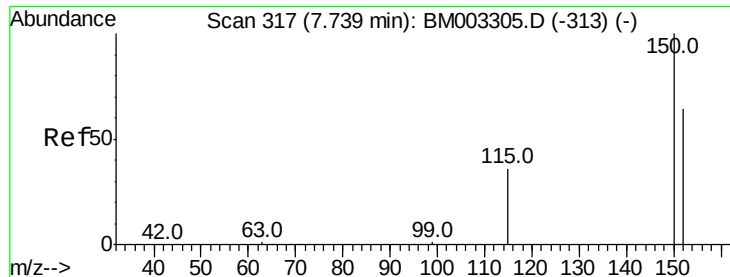
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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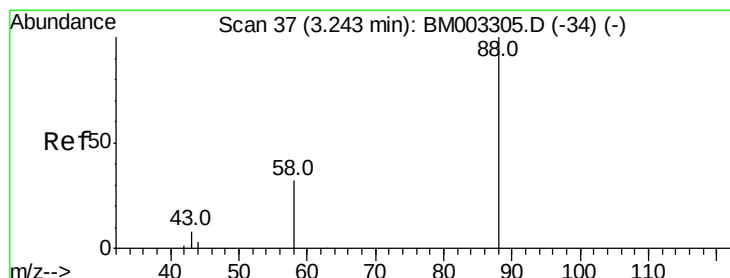
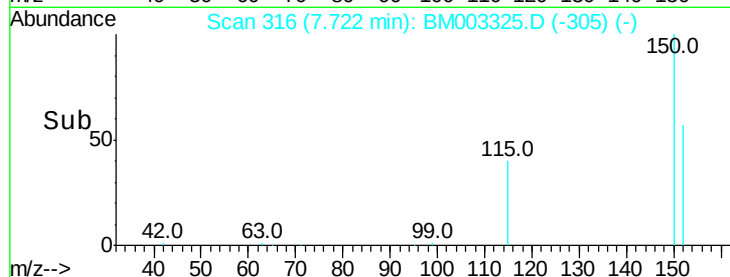
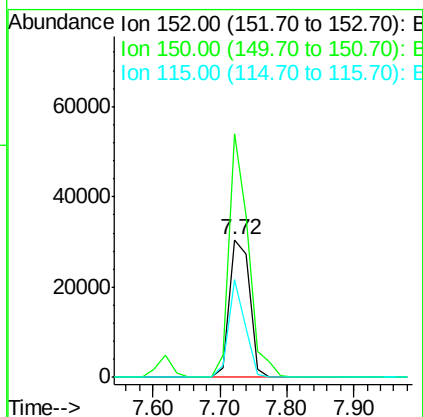
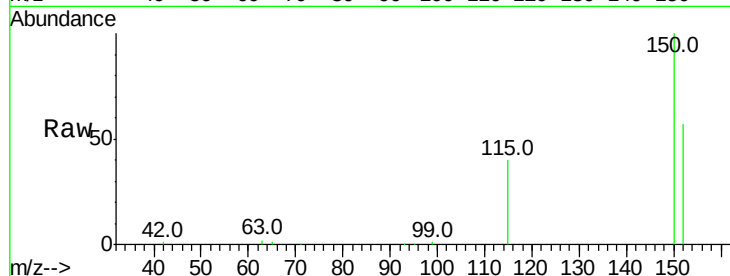


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 316
Delta R.T. -0.02 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Instrument :
BNA_M
ClientSampleId :
PB86824BS

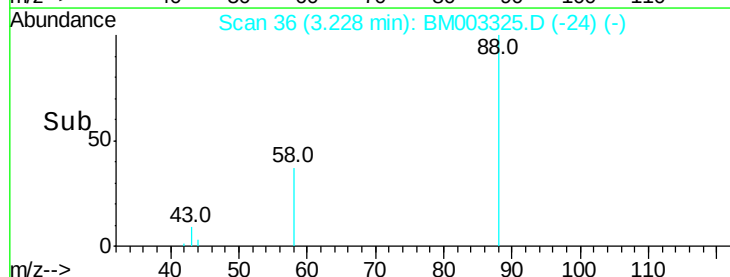
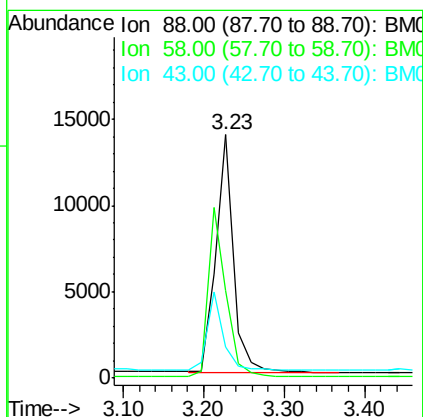
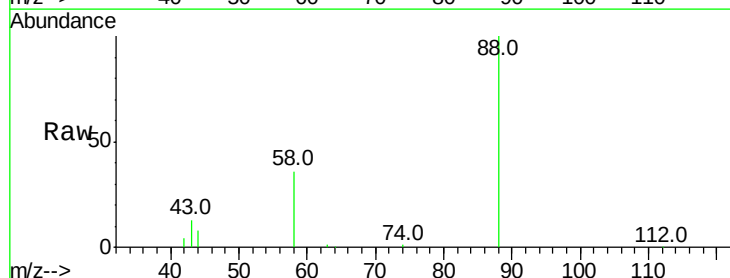
Tot Ion:152 Resp: 63153
Ion Ratio Lower Upper
152 100
150 176.5 143.6 215.4
115 70.6 58.5 87.7

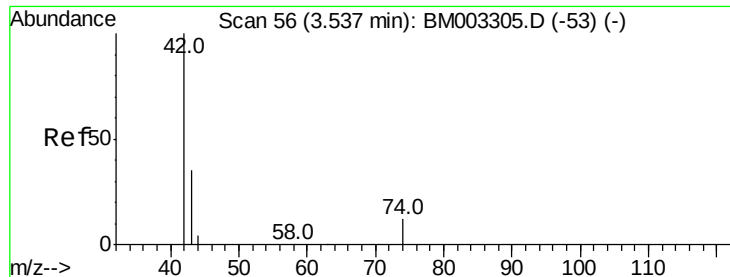


#2

1,4-Dioxane
Concen: 3.91 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Tgt Ion: 88 Resp: 21128
Ion Ratio Lower Upper
88 100
58 71.5 55.2 82.8
43 29.8 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 4.32 ng

RT: 3.52 min Scan# 55

Delta R.T. -0.02 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

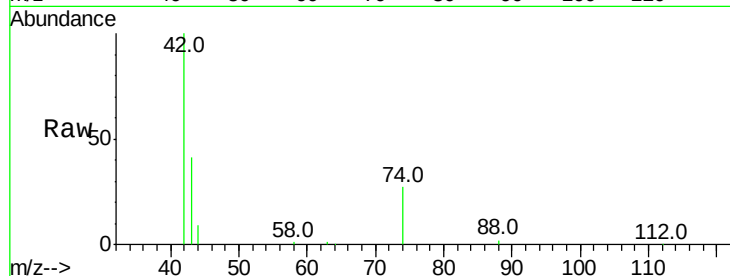
Tot Ion: 42 Resp: 25223

Ion Ratio Lower Upper

42 100

74 125.4 101.0 151.4

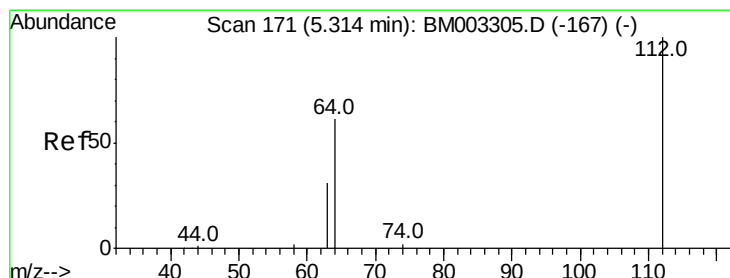
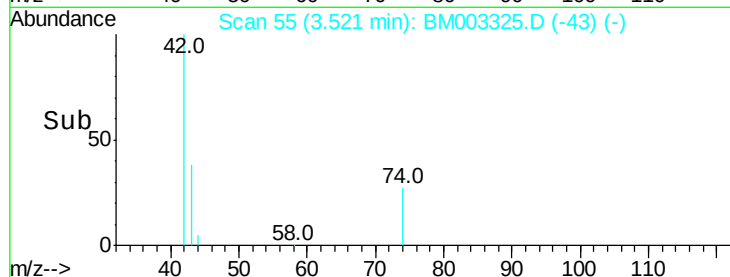
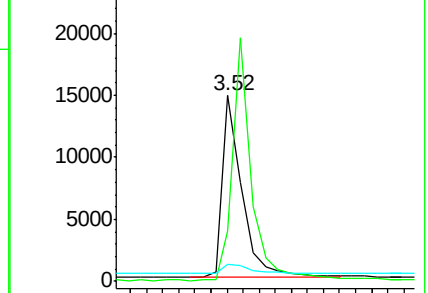
44 6.5 6.3 9.5



Abundance Ion 42.00 (41.70 to 42.70): BM003305.D (-53) (-)

Ion 74.00 (73.70 to 74.70): BM003305.D (-53) (-)

Ion 44.00 (43.70 to 44.70): BM003305.D (-53) (-)



#4

2-Fluorophenol

Concen: 8.68 ng

RT: 5.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

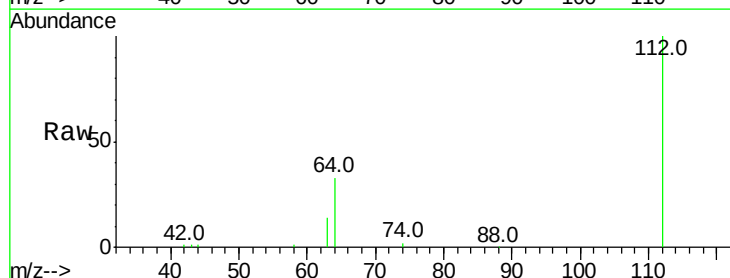
Tgt Ion: 112 Resp: 108148

Ion Ratio Lower Upper

112 100

64 51.1 41.2 61.8

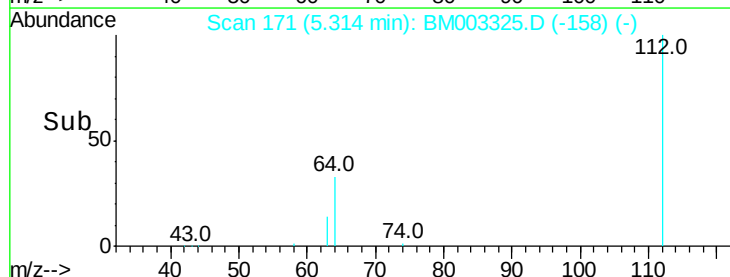
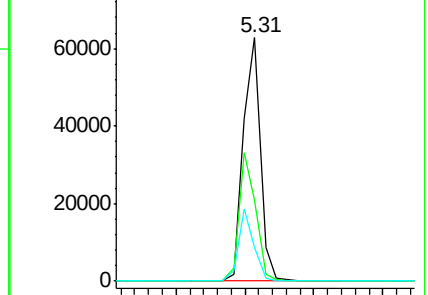
63 26.5 21.2 31.8

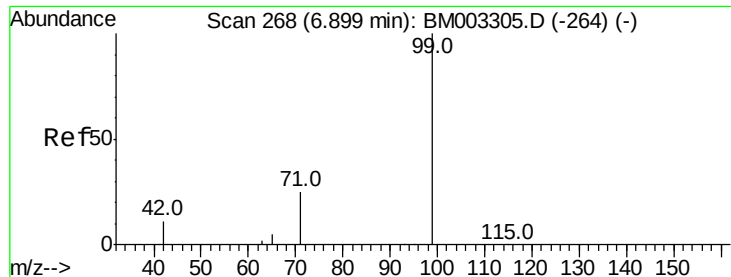


Abundance Ion 112.00 (111.70 to 112.70): BM003305.D (-167) (-)

Ion 64.00 (63.70 to 64.70): BM003305.D (-167) (-)

Ion 63.00 (62.70 to 63.70): BM003305.D (-167) (-)





#5

Phenol-d6

Concen: 10.08 ng

RT: 6.88 min Scan# 267

Delta R.T. -0.02 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

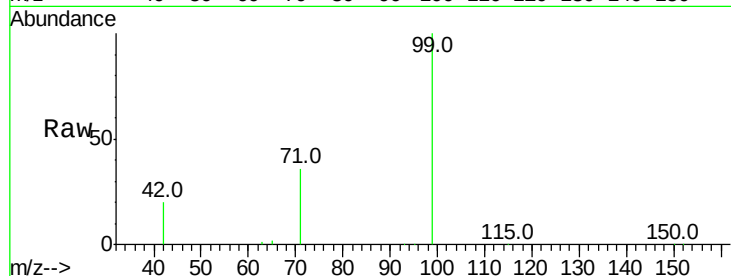
Tot Ion: 99 Resp: 144047

Ion Ratio Lower Upper

99 100

42 17.9 14.6 22.0

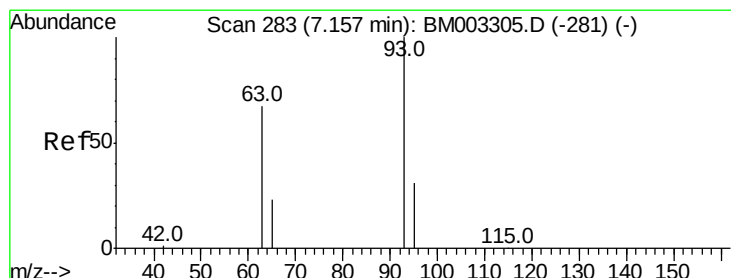
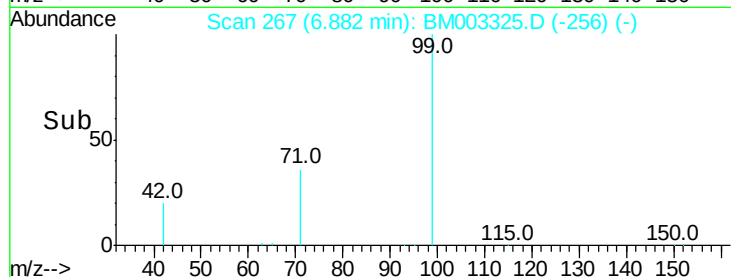
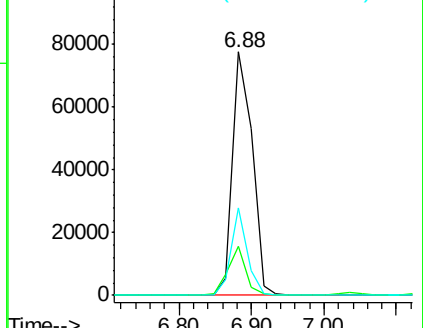
71 29.4 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003325.D (-267) (-)

Ion 42.00 (41.70 to 42.70): BM003325.D (-267) (-)

Ion 71.00 (70.70 to 71.70): BM003325.D (-267) (-)



#6

bis(2-Chloroethyl)ether

Concen: 4.39 ng

RT: 7.14 min Scan# 282

Delta R.T. -0.02 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

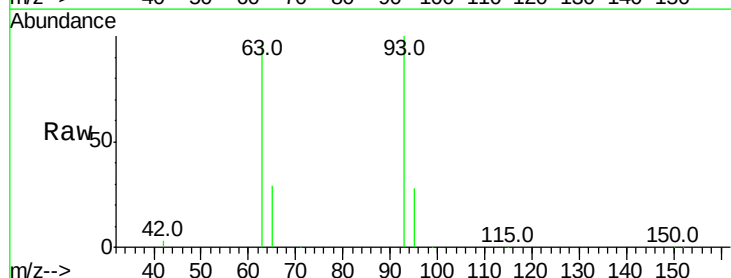
Tgt Ion: 93 Resp: 64176

Ion Ratio Lower Upper

93 100

63 72.3 58.2 87.4

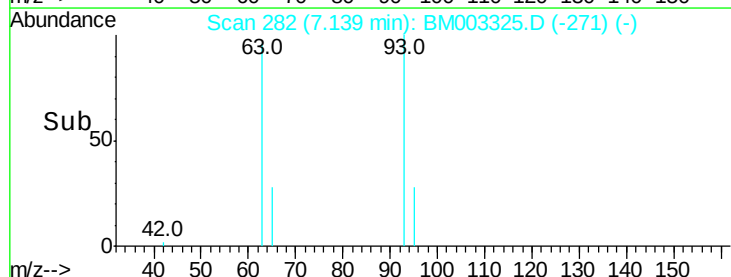
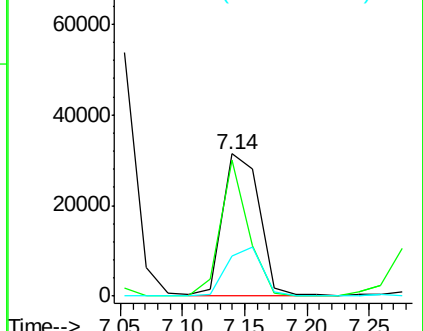
95 32.7 26.2 39.4

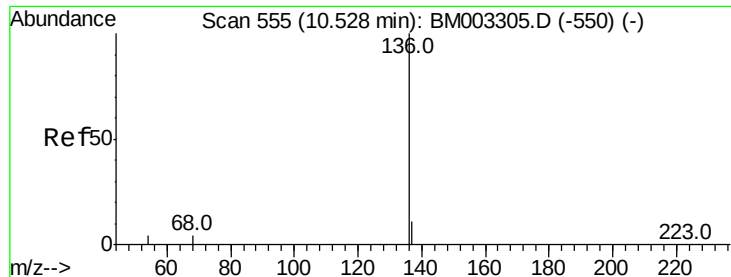


Abundance Ion 93.00 (92.70 to 93.70): BM003325.D (-282) (-)

Ion 63.00 (62.70 to 63.70): BM003325.D (-282) (-)

Ion 95.00 (94.70 to 95.70): BM003325.D (-282) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. -0.02 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

Tot Ion:136 Resp: 276163

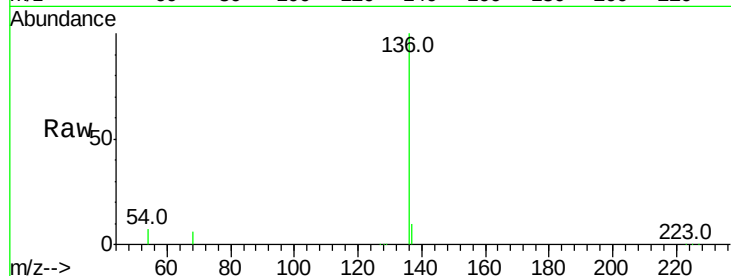
Ion Ratio Lower Upper

136 100

137 10.5 8.0 12.0

54 6.8 7.4 11.0#

68 5.6 5.8 8.6#

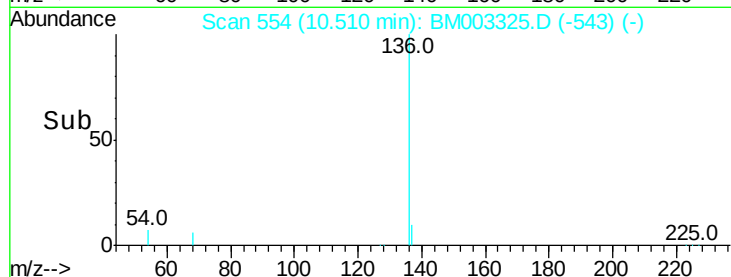


Abundance Ion 136.00 (135.70 to 136.70): E

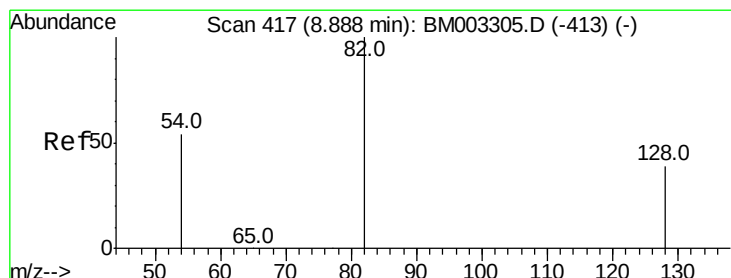
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 5.15 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

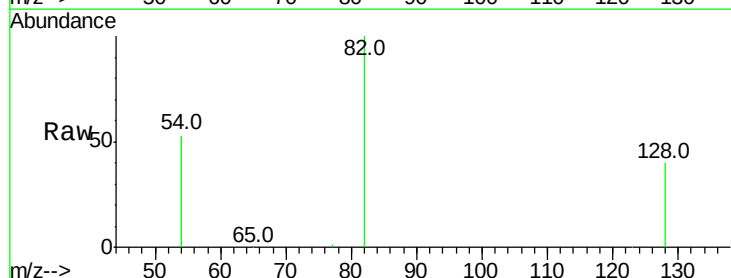
Tgt Ion: 82 Resp: 63319

Ion Ratio Lower Upper

82 100

128 40.0 35.2 52.8

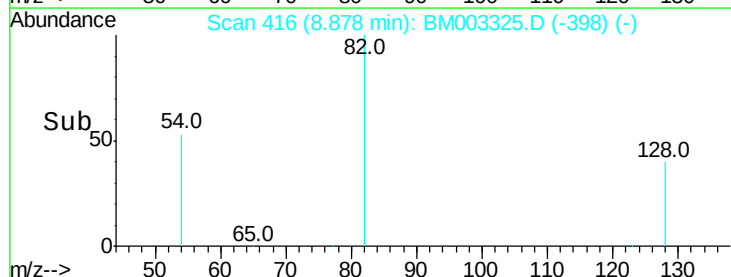
54 53.3 36.4 54.6



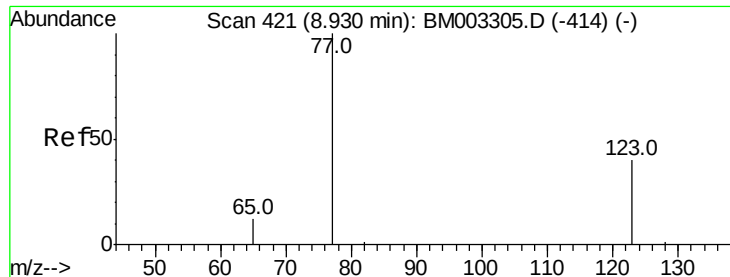
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



#9

Nitrobenzene

Concen: 4.87 ng

RT: 8.92 min Scan# 420

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

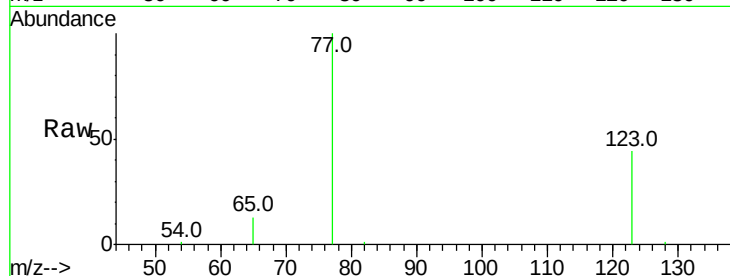
Tot Ion: 77 Resp: 65538

Ion Ratio Lower Upper

77 100

123 50.4 37.7 56.5

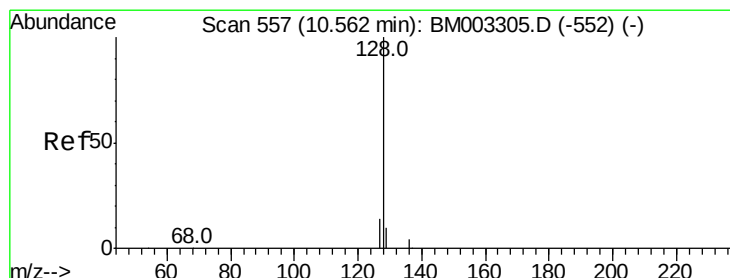
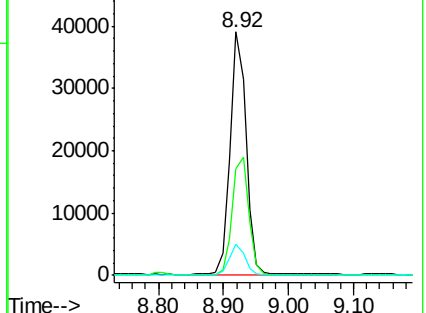
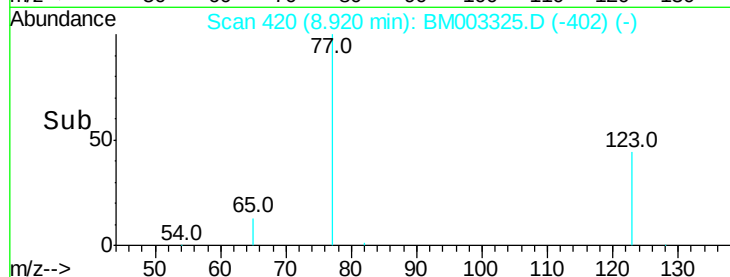
65 12.5 9.8 14.6



Abundance Ion 77.00 (76.70 to 77.70): BM003325.D (-402) (-)

Ion 123.00 (122.70 to 123.70): BM003325.D (-402) (-)

Ion 65.00 (64.70 to 65.70): BM003325.D (-402) (-)



#10

Naphthalene

Concen: 3.97 ng

RT: 10.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

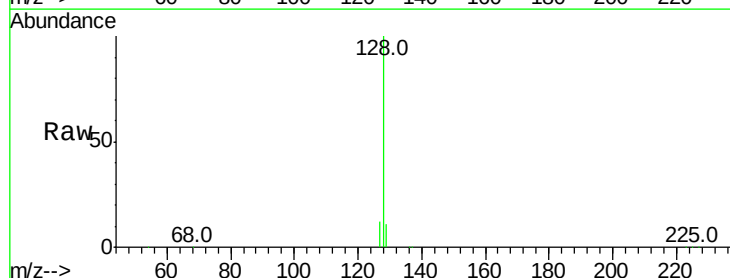
Tgt Ion: 128 Resp: 237082

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

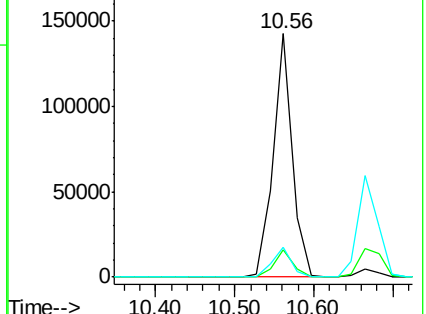
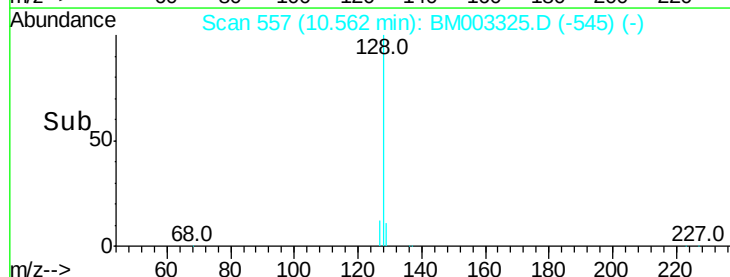
127 12.3 10.6 16.0

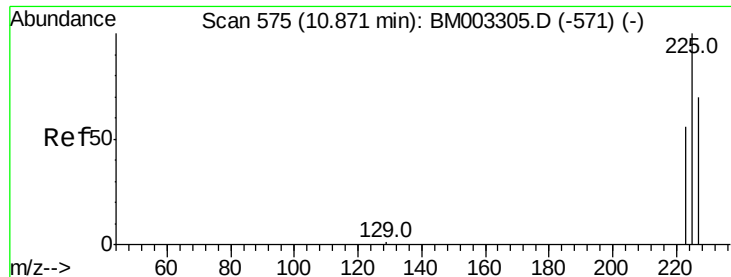


Abundance Ion 128.00 (127.70 to 128.70): BM003325.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003325.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003325.D (-545) (-)

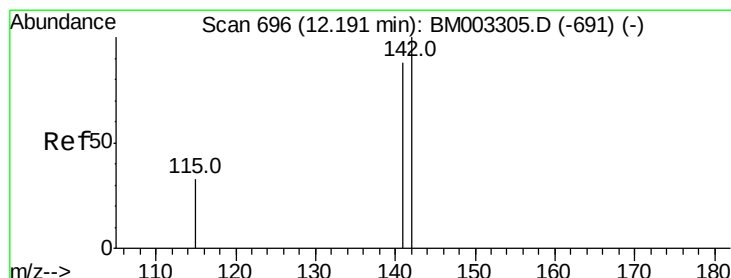
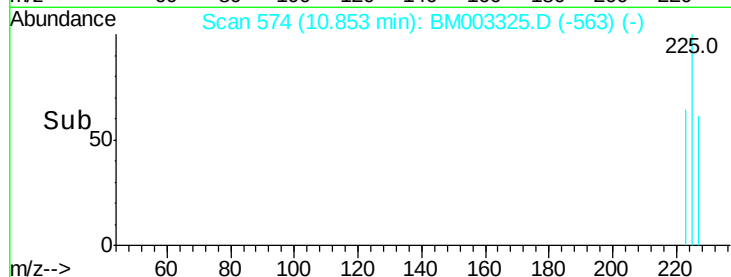
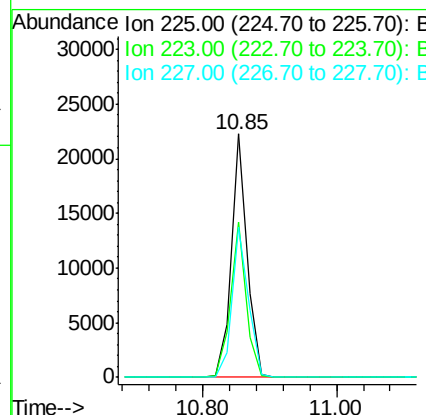
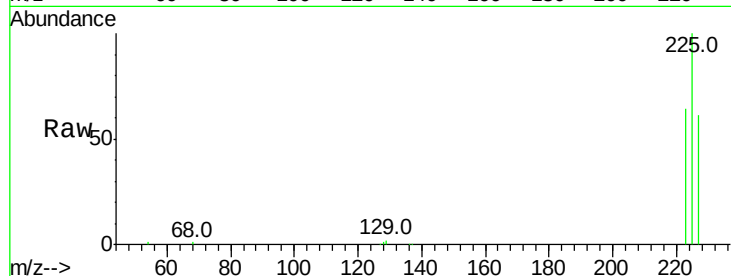




#11
Hexachlorobutadiene
Concen: 4.03 ng
RT: 10.85 min Scan# 574
Delta R.T. -0.02 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

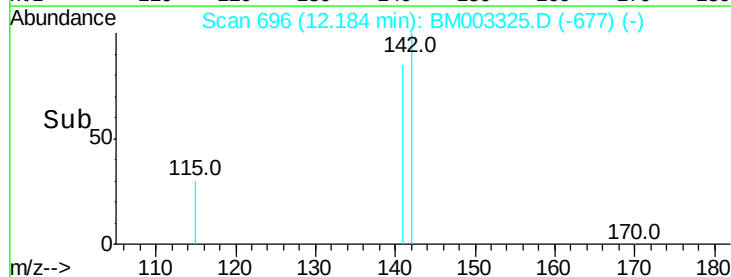
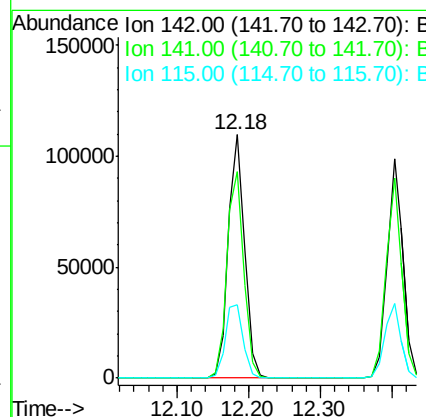
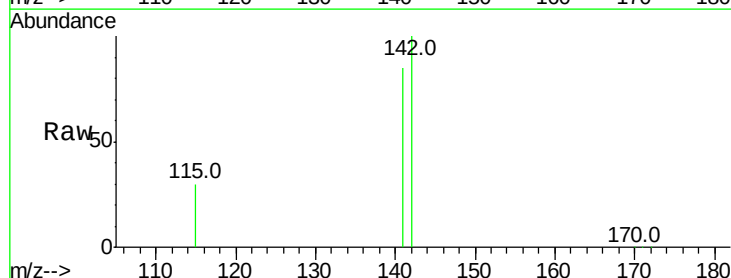
Instrument :
BNA_M
ClientSampleId :
PB86824BS

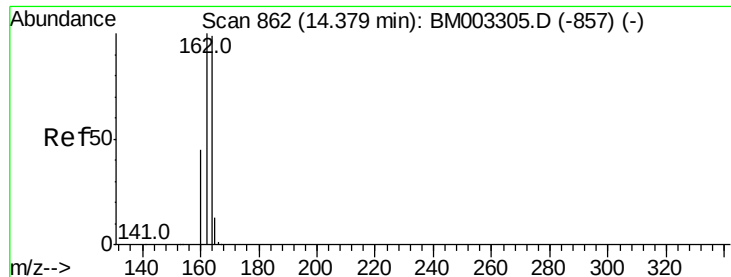
Tot Ion:225 Resp: 36578
Ion Ratio Lower Upper
225 100
223 64.2 53.0 79.4
227 64.1 52.2 78.4



#12
2-Methylnaphthalene
Concen: 4.62 ng
RT: 12.18 min Scan# 696
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Tgt Ion:142 Resp: 172874
Ion Ratio Lower Upper
142 100
141 84.9 72.2 108.2
115 30.1 28.0 42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

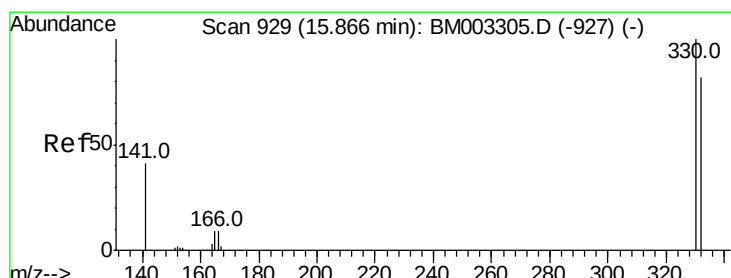
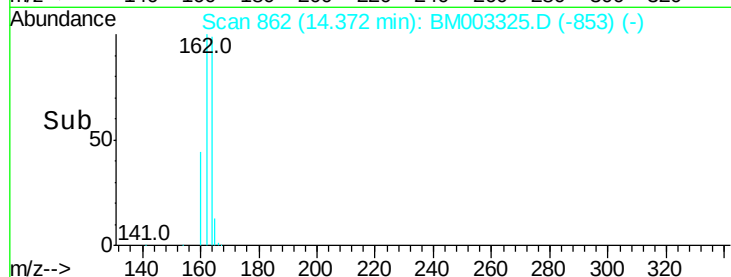
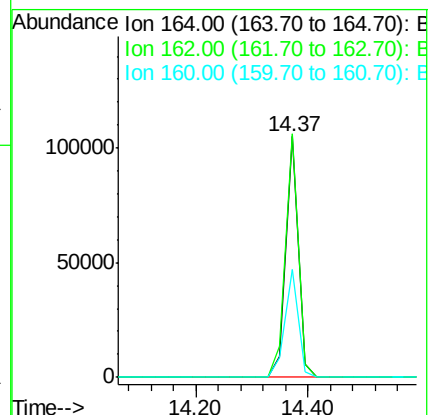
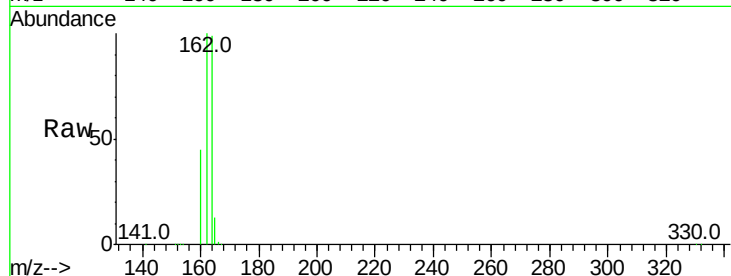
Tot Ion:164 Resp: 159862

Ion Ratio Lower Upper

164 100

162 101.1 78.3 117.5

160 45.0 33.8 50.6



#14

2,4,6-Tribromophenol

Concen: 10.63 ng

RT: 15.86 min Scan# 929

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

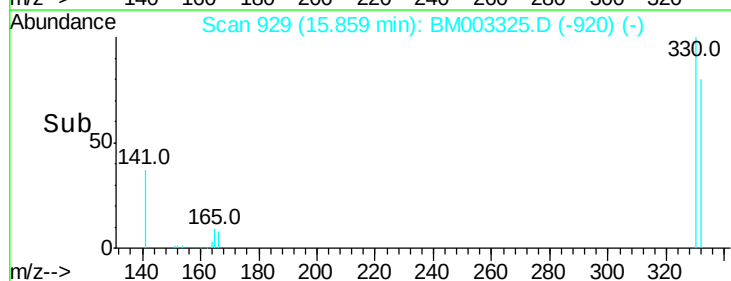
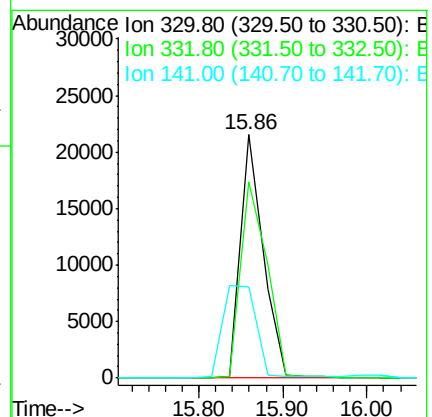
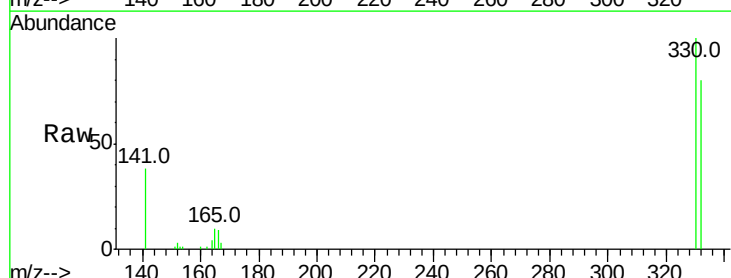
Tgt Ion:330 Resp: 39738

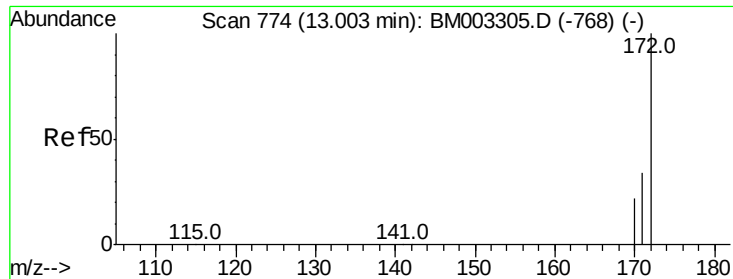
Ion Ratio Lower Upper

330 100

332 92.8 76.0 114.0

141 0.0 0.0 0.0

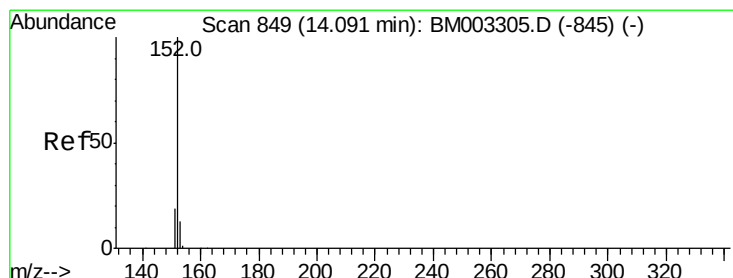
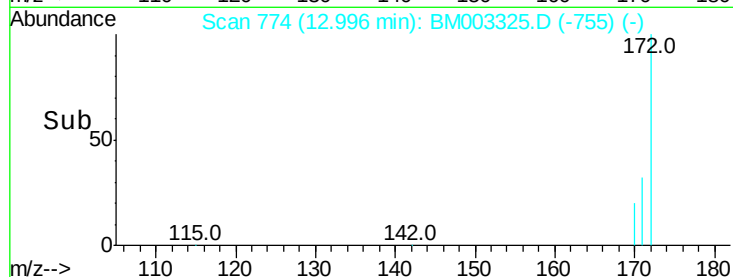
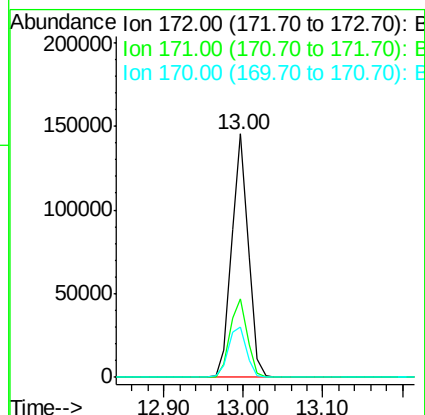
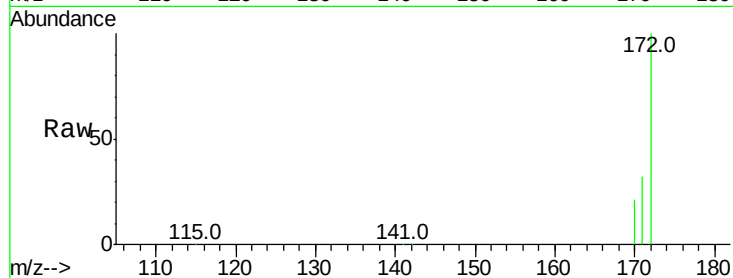




#15
2-Fluorobiphenyl
Concen: 4.04 ng
RT: 13.00 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

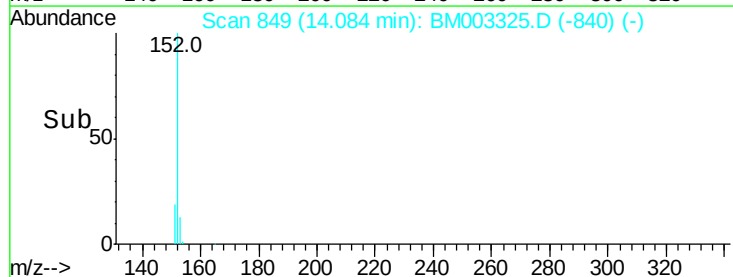
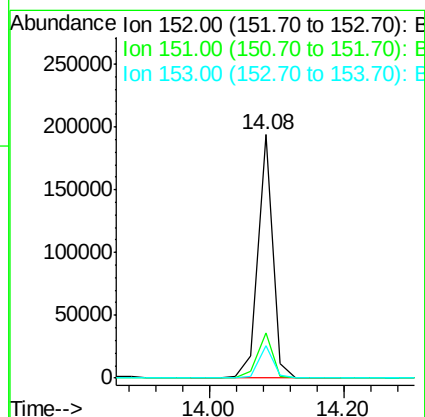
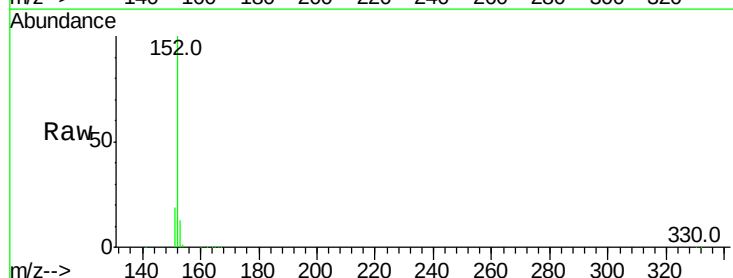
Instrument :
BNA_M
ClientSampleId :
PB86824BS

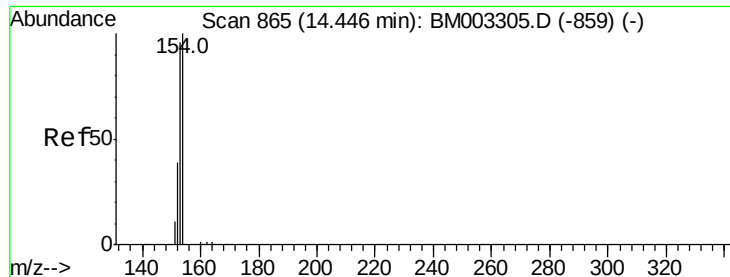
Tot Ion:172 Resp: 208541
Ion Ratio Lower Upper
172 100
171 32.4 28.0 42.0
170 20.6 18.9 28.3



#16
Acenaphthylene
Concen: 5.12 ng
RT: 14.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Tgt Ion:152 Resp: 299627
Ion Ratio Lower Upper
152 100
151 19.1 15.2 22.8
153 13.0 10.4 15.6

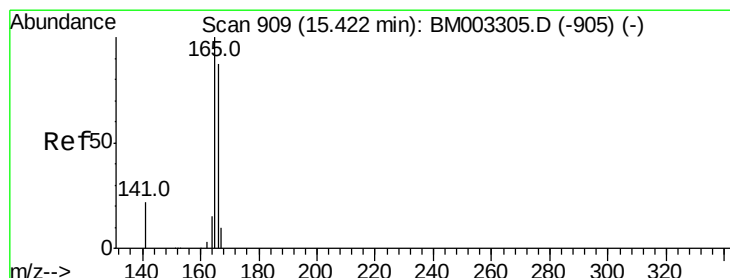
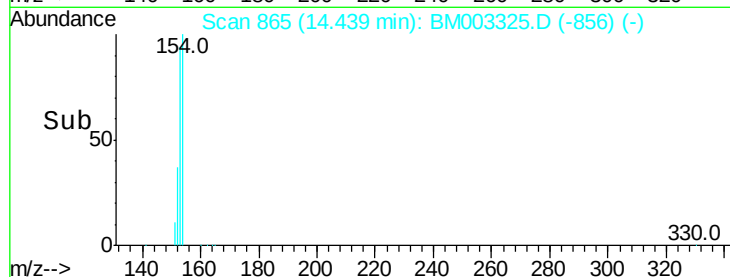
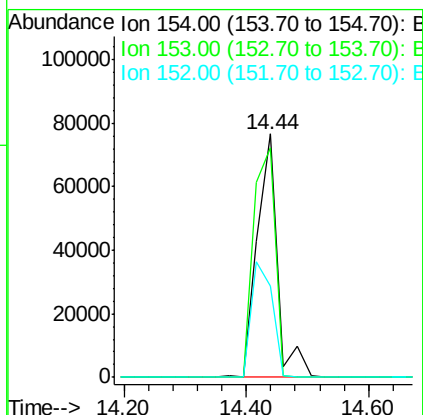
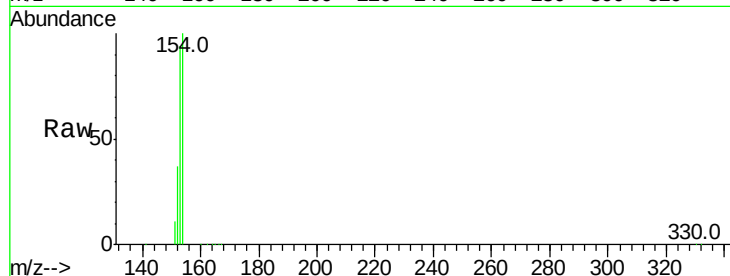




#17
Acenaphthene
Concen: 3.93 ng
RT: 14.44 min Scan# 865
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

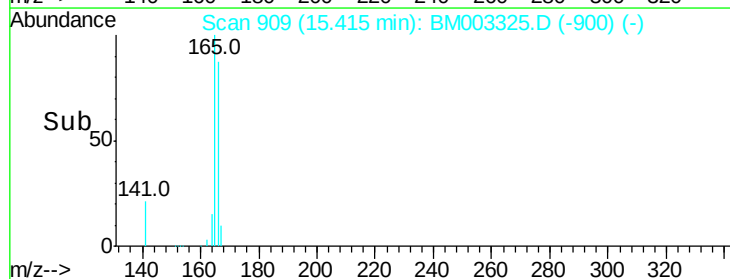
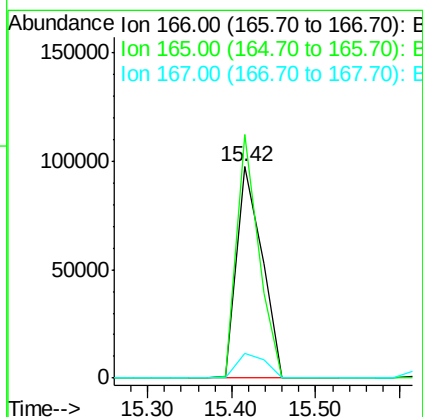
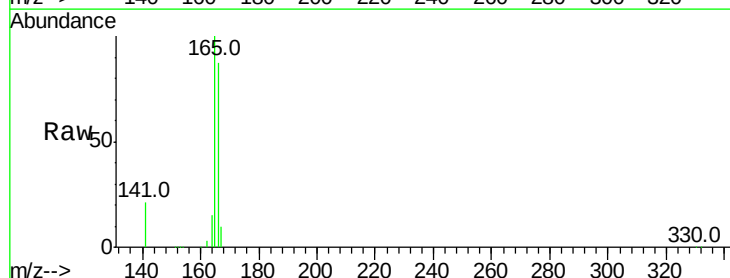
Instrument :
BNA_M
ClientSampleId :
PB86824BS

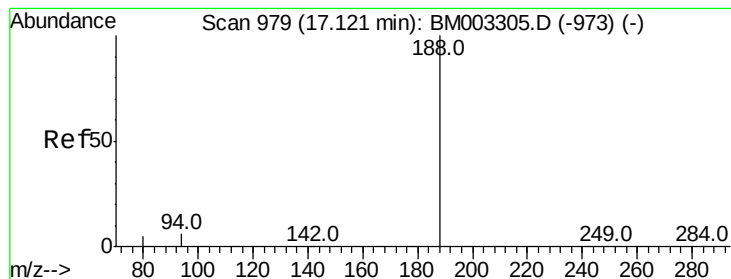
Tot Ion:154 Resp: 177818
Ion Ratio Lower Upper
154 100
153 100.5 0.0 0.0#
152 0.0 0.0 0.0



#18
Fluorene
Concen: 4.42 ng
RT: 15.42 min Scan# 909
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Tgt Ion:166 Resp: 201698
Ion Ratio Lower Upper
166 100
165 100.9 80.8 121.2
167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

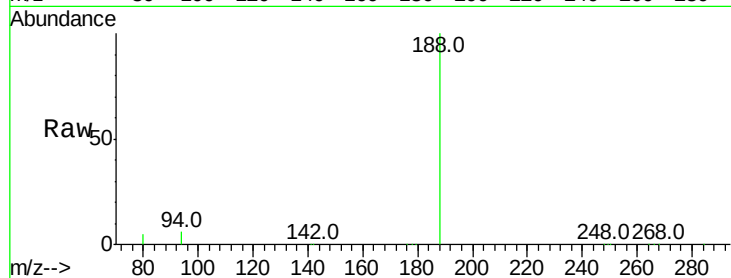
Tot Ion:188 Resp: 371779

Ion Ratio Lower Upper

188 100

94 5.7 1.8 2.6#

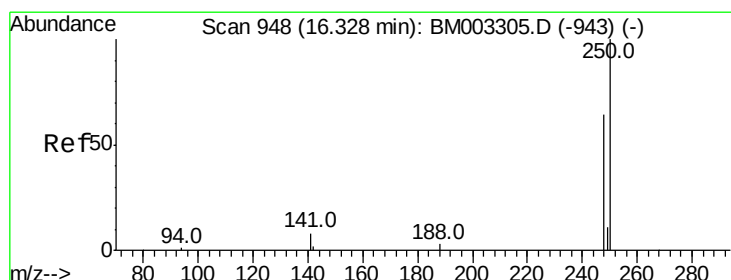
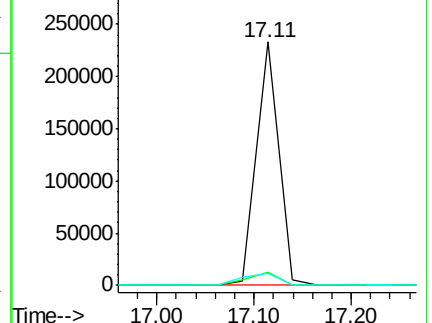
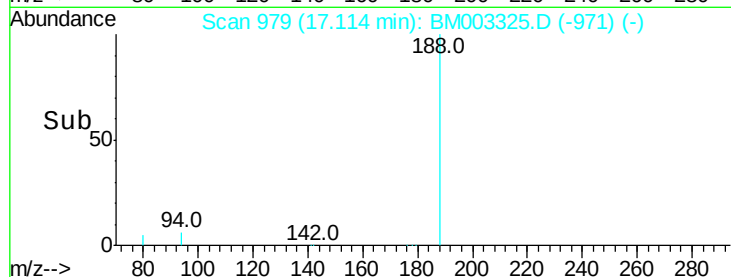
80 4.9 1.4 2.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#20

4-Bromophenyl-phenylether

Concen: 3.30 ng

RT: 16.32 min Scan# 948

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

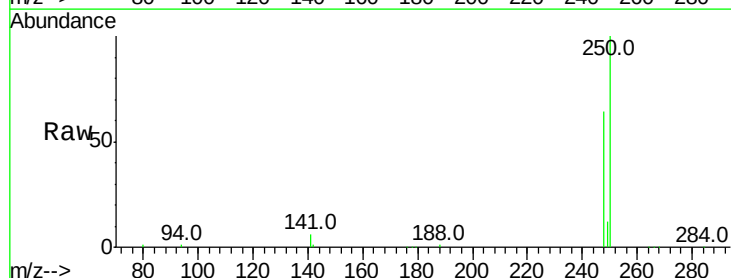
Tgt Ion:248 Resp: 45237

Ion Ratio Lower Upper

248 100

250 108.6 65.4 98.0#

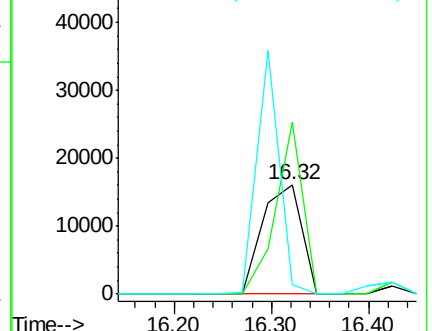
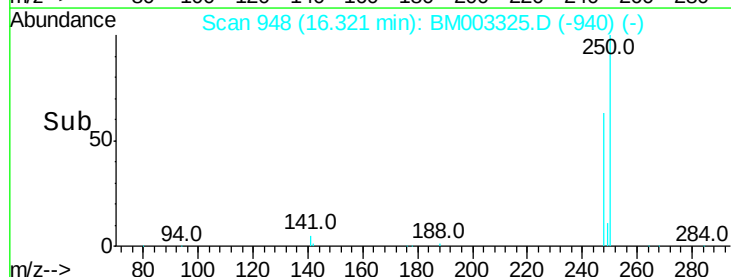
141 0.0 72.8 109.2#

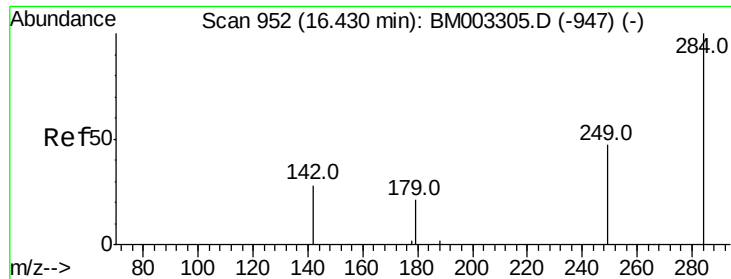


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

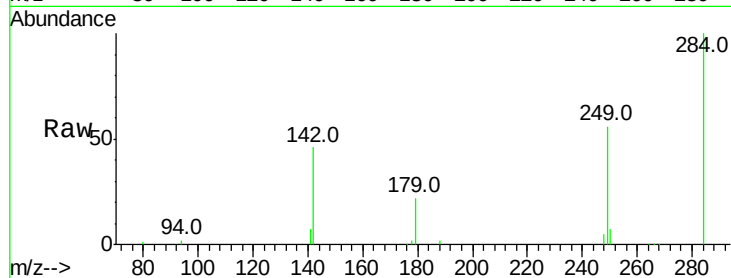




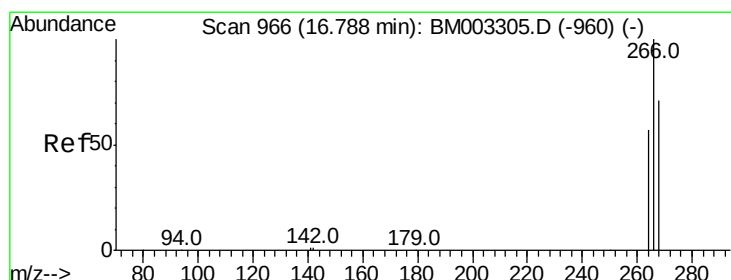
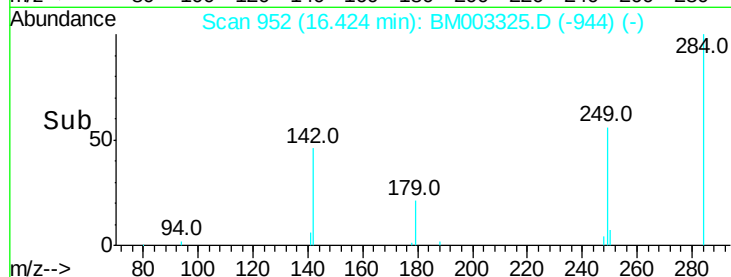
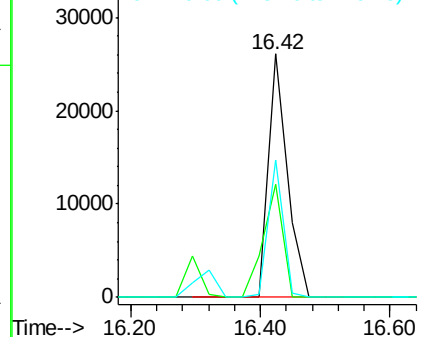
#21
Hexachlorobenzene
Concen: 4.00 ng
RT: 16.42 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Instrument :
BNA_M
ClientSampleId :
PB86824BS

Tot Ion:284 Resp: 52207
Ion Ratio Lower Upper
284 100
142 48.1 0.0 0.0#
249 44.7 19.4 29.2#

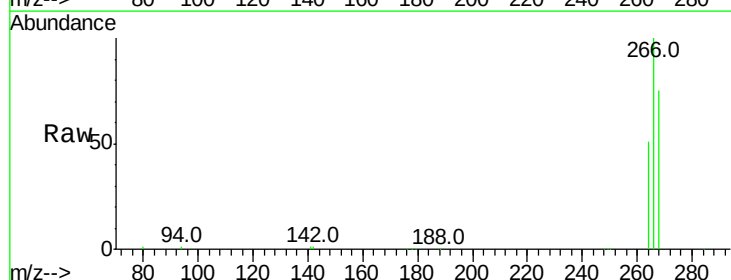


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

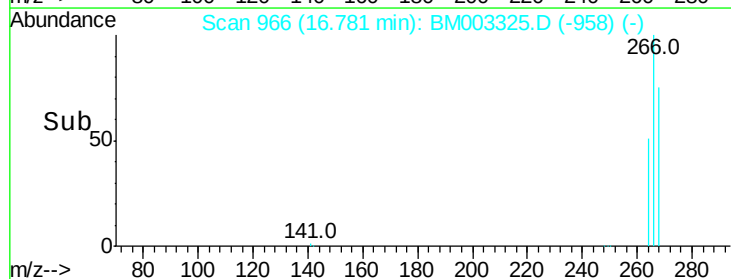
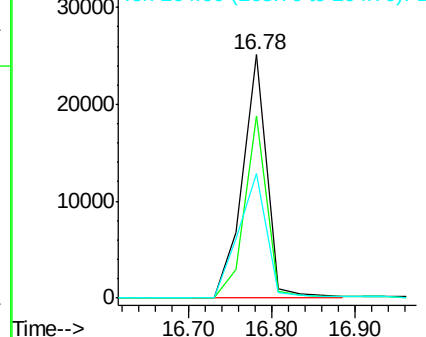


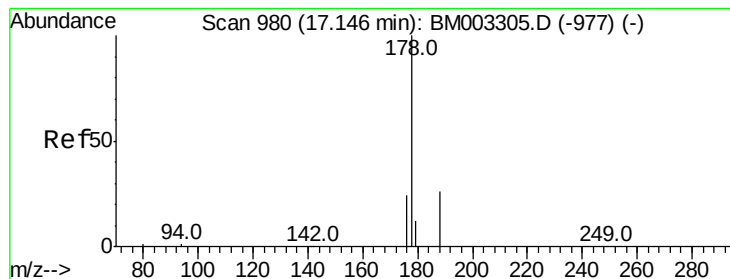
#22
Pentachlorophenol
Concen: 7.57 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003325.D
Acq: 30 Nov 2015 18:59

Tgt Ion:266 Resp: 51370
Ion Ratio Lower Upper
266 100
268 74.6 45.8 68.8#
264 51.4 56.7 85.1#



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: 3.42 ng

RT: 17.16 min Scan# 981

Delta R.T. 0.02 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampled :

PB86824BS

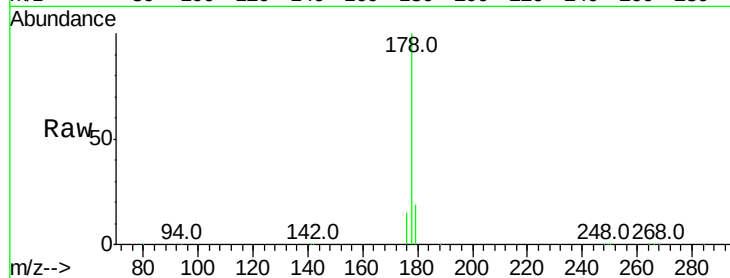
Tot Ion:178 Resp: 288808

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

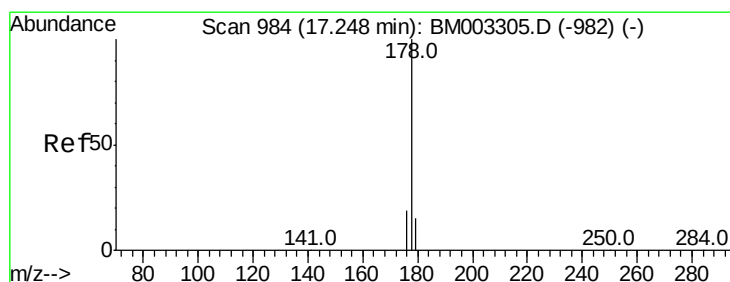
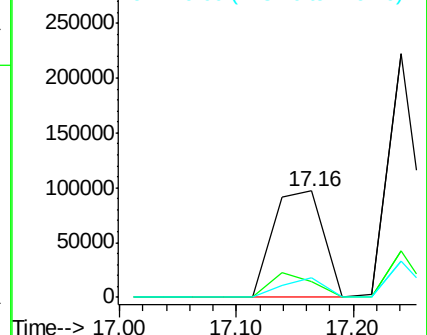
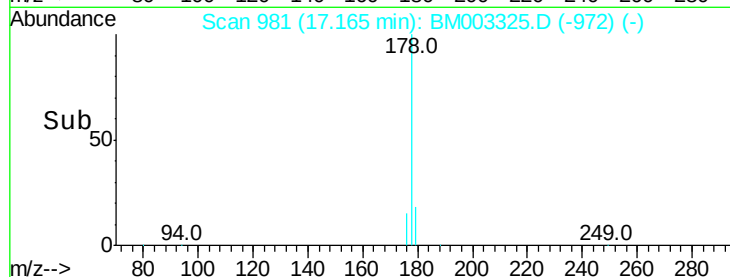
179 15.5 11.7 17.5



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: 5.25 ng

RT: 17.24 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

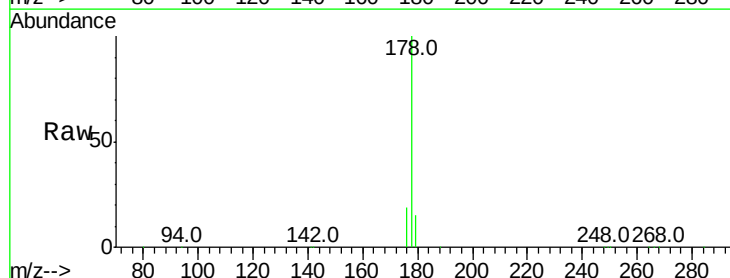
Tgt Ion:178 Resp: 364062

Ion Ratio Lower Upper

178 100

176 18.8 14.1 21.1

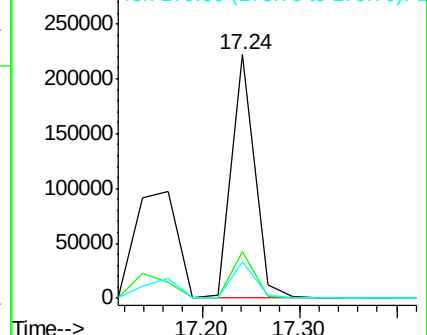
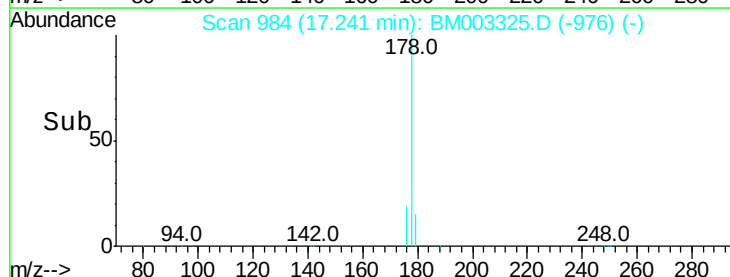
179 14.9 12.8 19.2

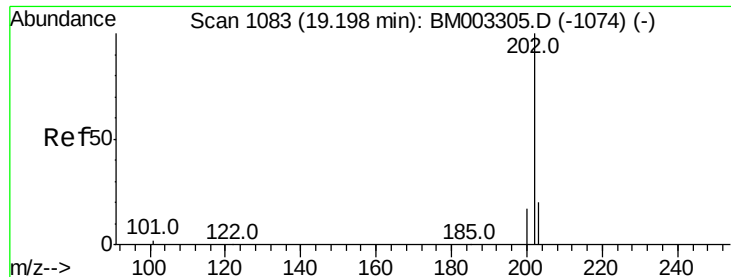


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 4.09 ng

RT: 19.19 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

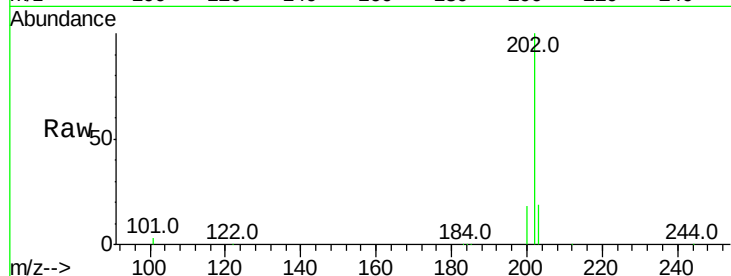
Tot Ion:202 Resp: 331387

Ion Ratio Lower Upper

202 100

101 12.4 9.9 14.9

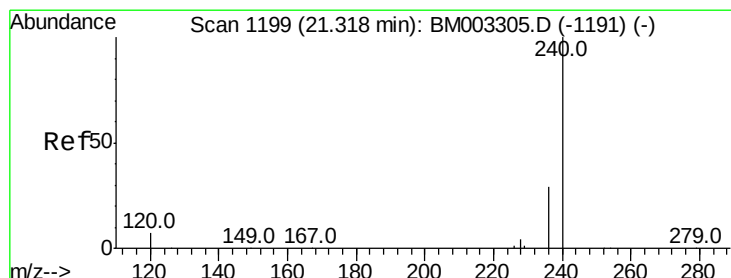
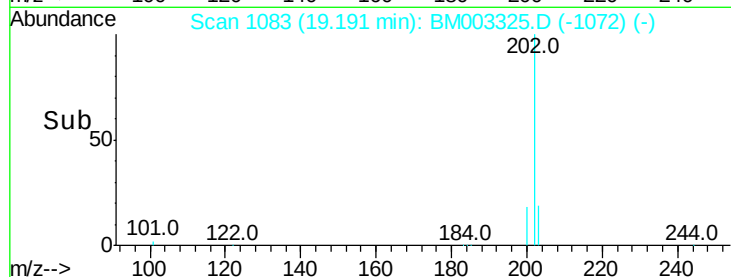
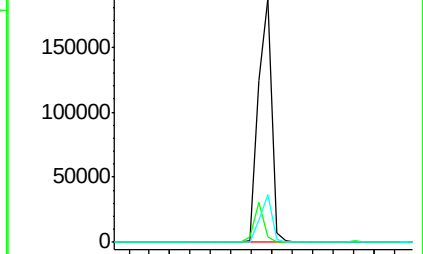
203 17.6 13.9 20.9



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: 21.33 min Scan# 1200

Delta R.T. 0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

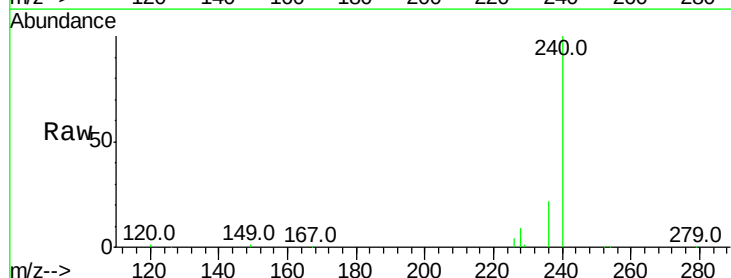
Tgt Ion:240 Resp: 210269

Ion Ratio Lower Upper

240 100

120 0.9 1.0 1.4#

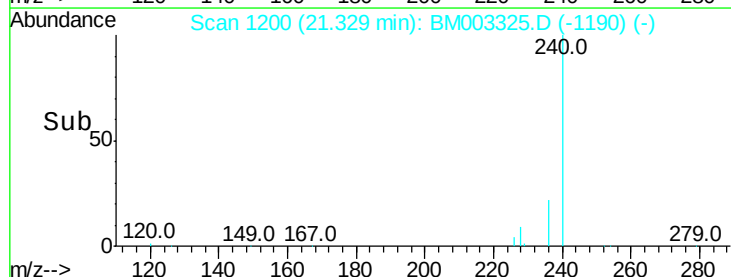
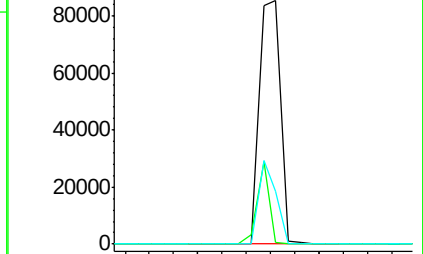
236 21.6 17.9 26.9

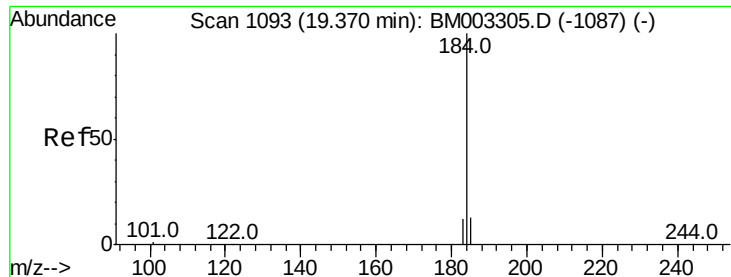


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 11.51 ng

RT: 19.36 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

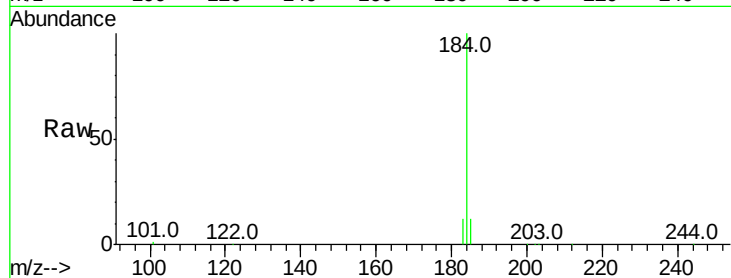
Tot Ion:184 Resp: 231394

Ion Ratio Lower Upper

184 100

185 12.1 11.6 17.4

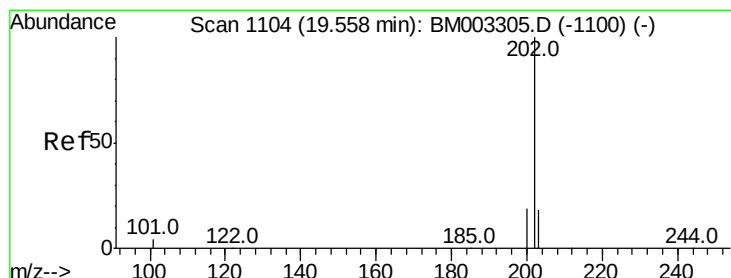
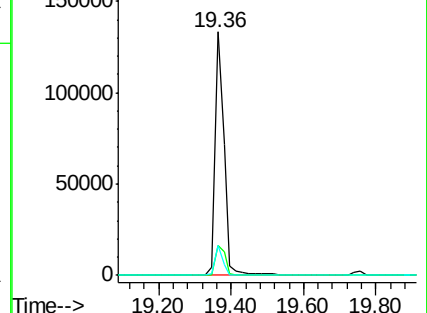
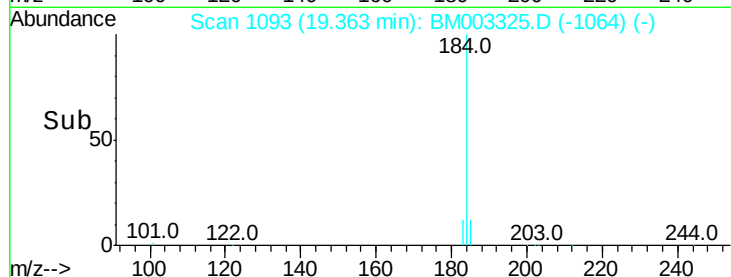
183 12.3 8.6 13.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 5.57 ng

RT: 19.55 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

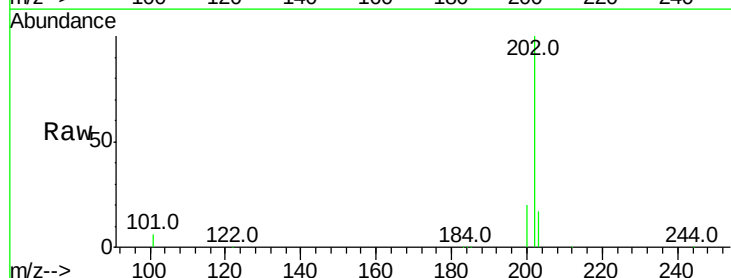
Tgt Ion:202 Resp: 357637

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

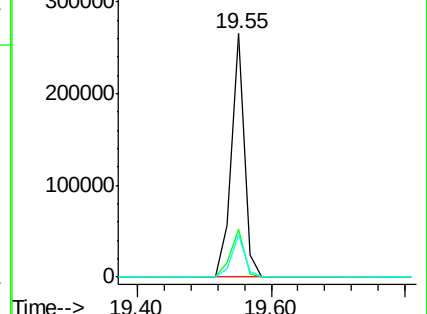
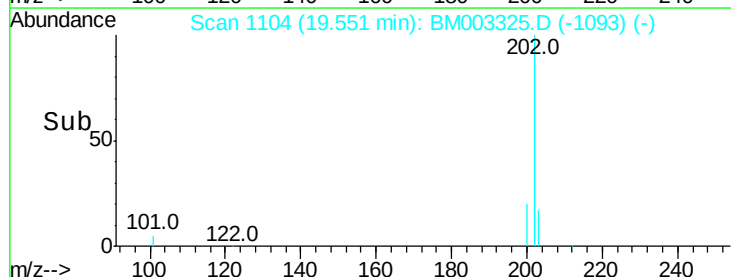
203 17.7 13.8 20.6

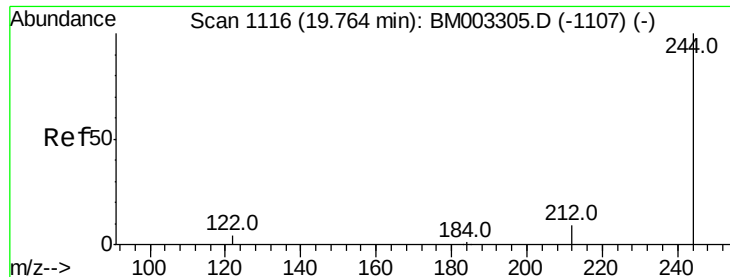


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.45 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

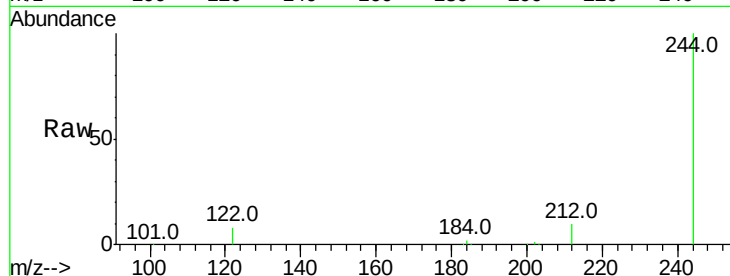
Tot Ion:244 Resp: 159806

Ion Ratio Lower Upper

244 100

212 10.2 6.5 9.7#

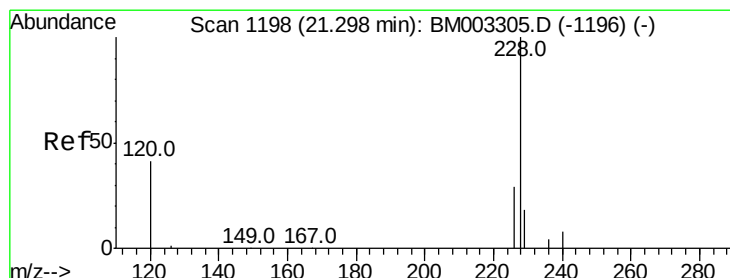
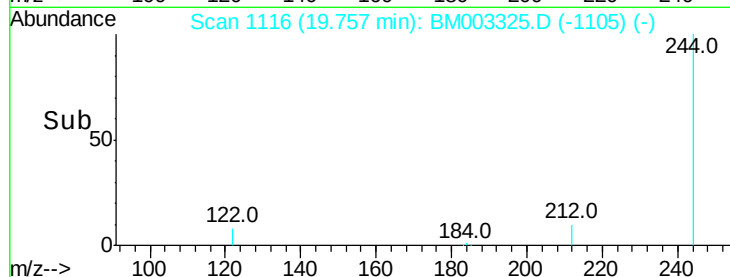
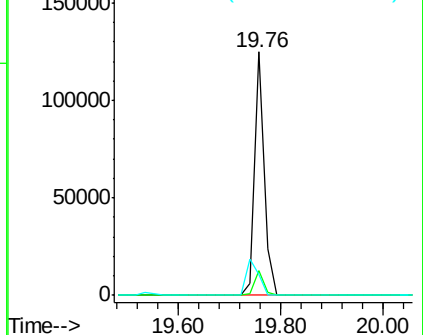
122 8.4 2.0 3.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 4.72 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

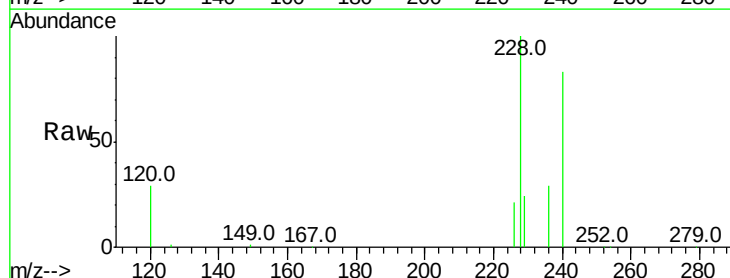
Tgt Ion:228 Resp: 251470

Ion Ratio Lower Upper

228 100

226 20.7 17.8 26.6

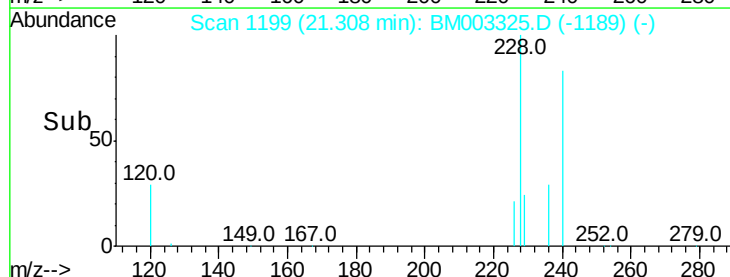
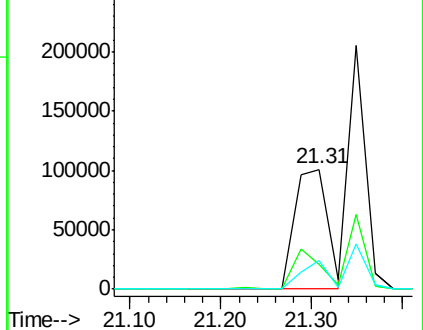
229 24.4 18.0 27.0

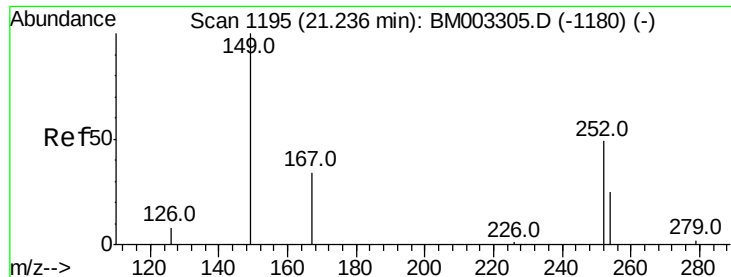


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

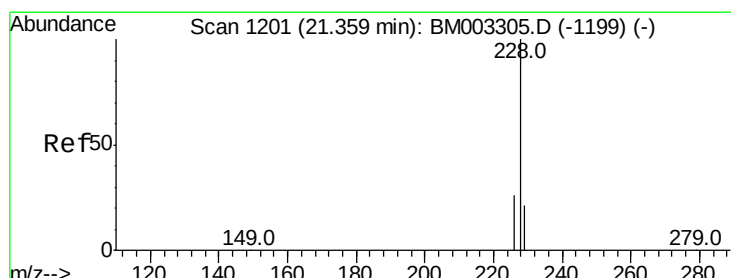
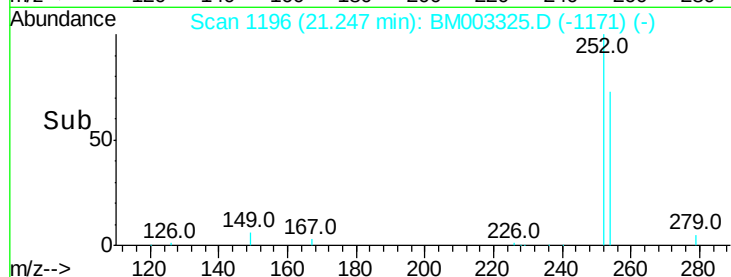
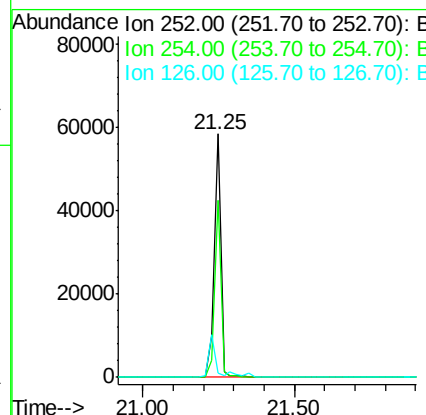
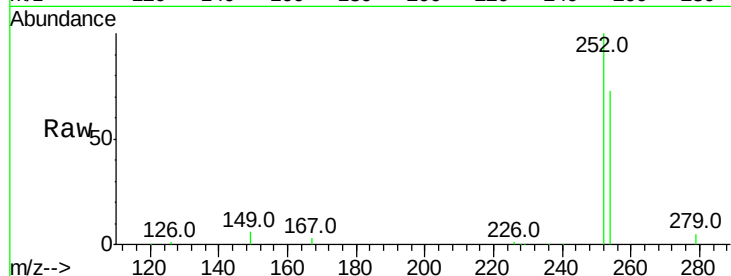




#31
 3,3'-Dichlorobenzidine
 Concen: 5.61 ng
 RT: 21.25 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM003325.D
 Acq: 30 Nov 2015 18:59

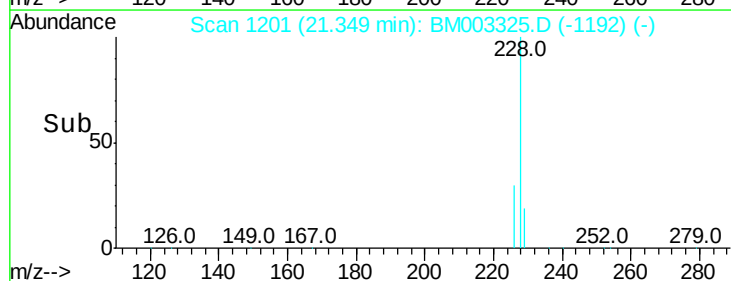
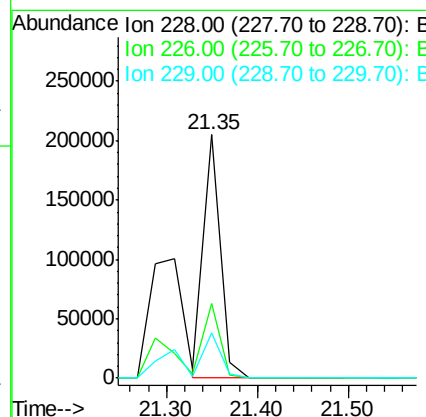
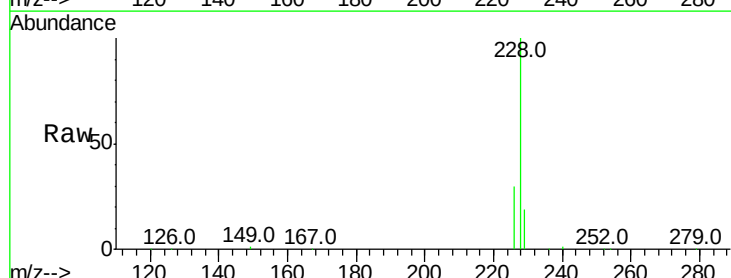
Instrument :
 BNA_M
 ClientSampleId :
 PB86824BS

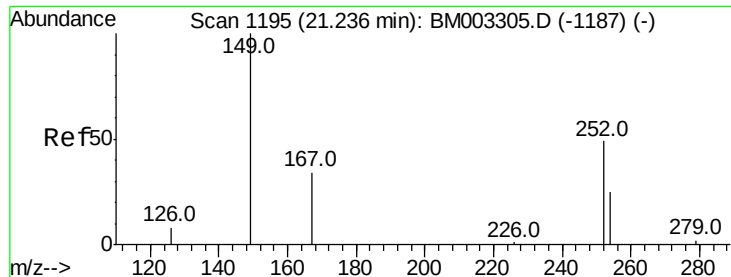
Tot Ion:252 Resp: 88078
 Ion Ratio Lower Upper
 252 100
 254 72.9 53.7 80.5
 126 1.5 2.8 4.2#



#32
 Chrysene
 Concen: 4.55 ng
 RT: 21.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BM003325.D
 Acq: 30 Nov 2015 18:59

Tgt Ion:228 Resp: 270740
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.5 38.3
 229 18.7 14.3 21.5





#33

Bis(2-ethylhexyl)phthalate

Concen: 7.15 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

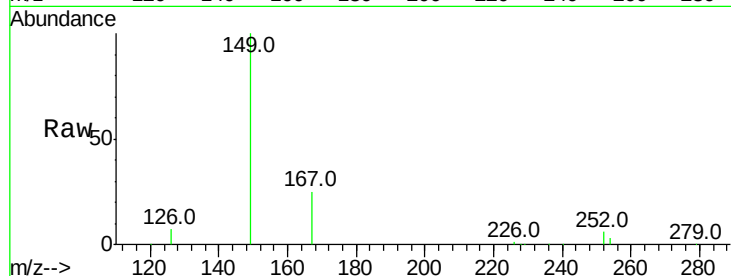
Tot Ion:149 Resp: 197056

Ion Ratio Lower Upper

149 100

167 24.9 19.6 29.4

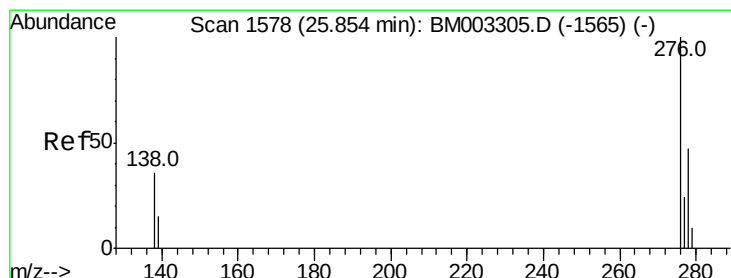
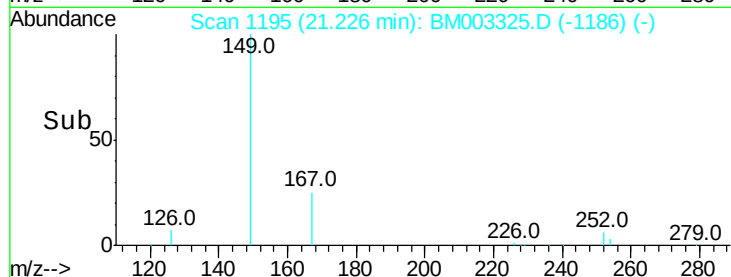
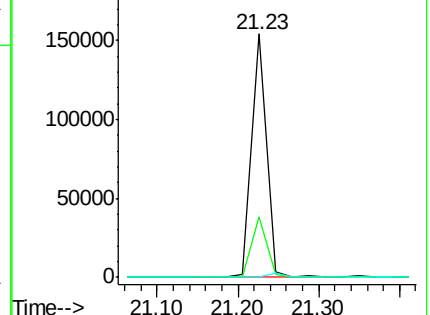
279 0.0 0.0 0.0



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: 4.48 ng

RT: 25.85 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

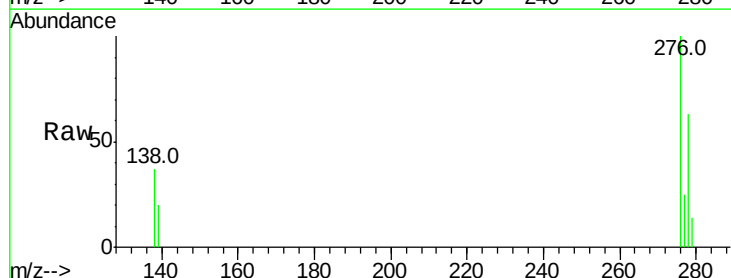
Tgt Ion:276 Resp: 218741

Ion Ratio Lower Upper

276 100

138 37.8 19.1 28.7#

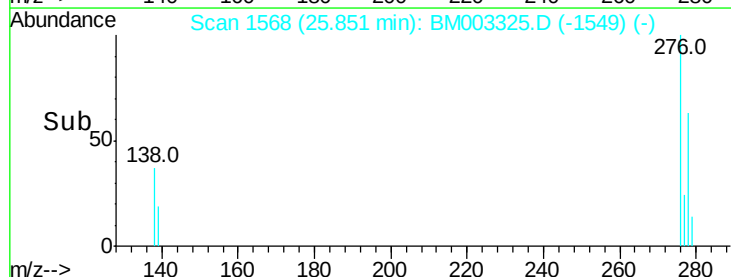
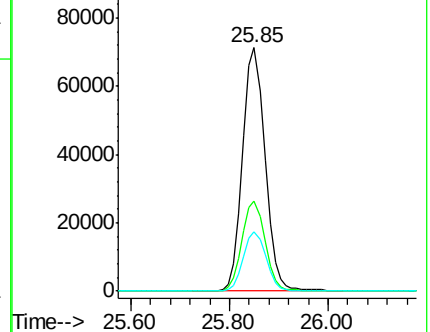
277 24.7 15.9 23.9#

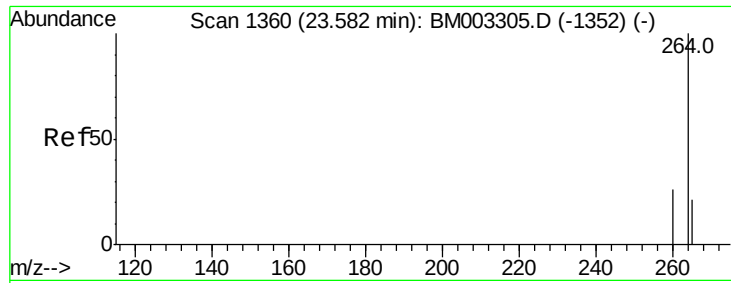


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

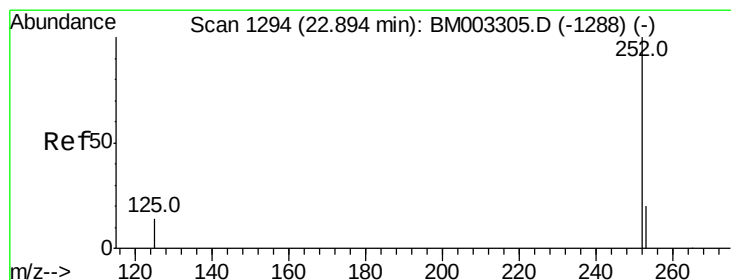
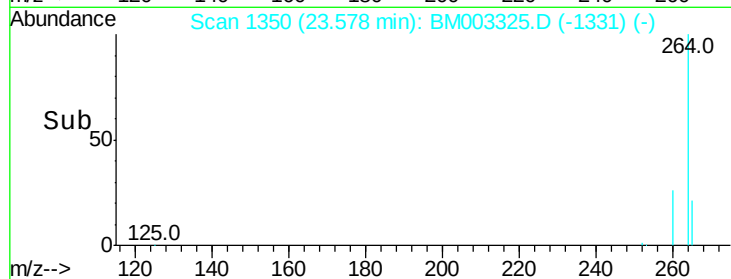
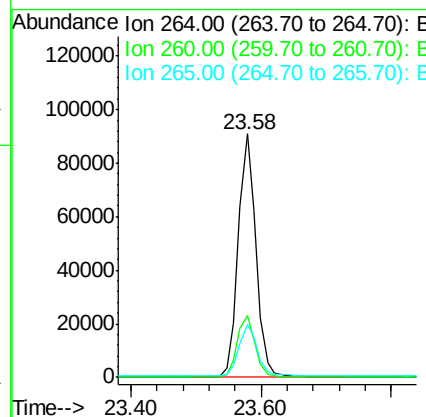
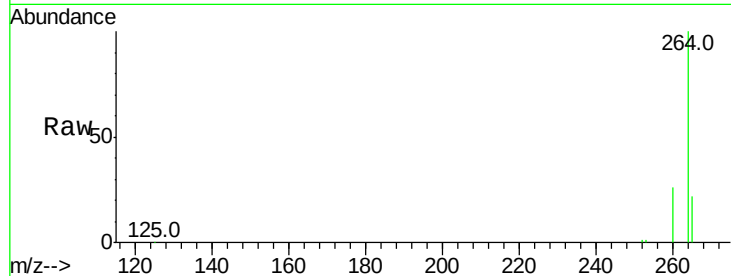




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: BM003325.D
 Acq: 30 Nov 2015 18:59

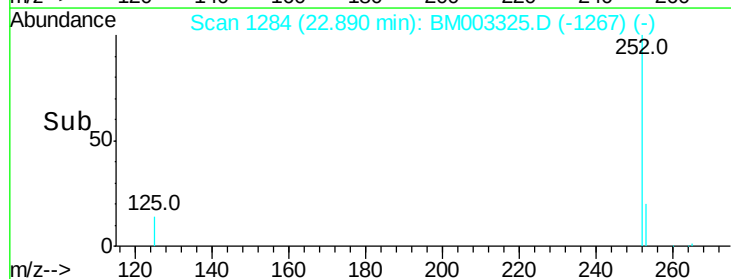
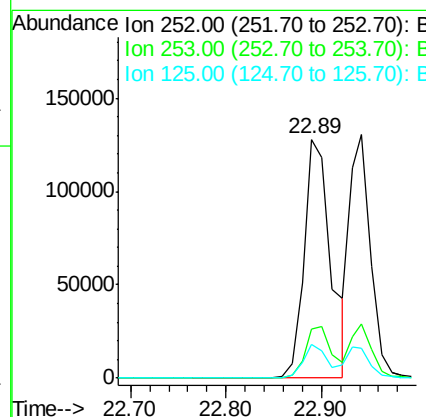
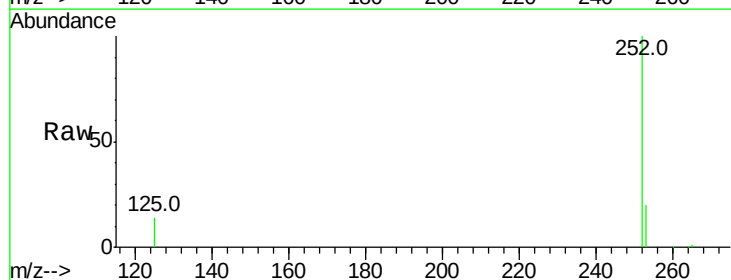
Instrument :
 BNA_M
 ClientSampleId :
 PB86824BS

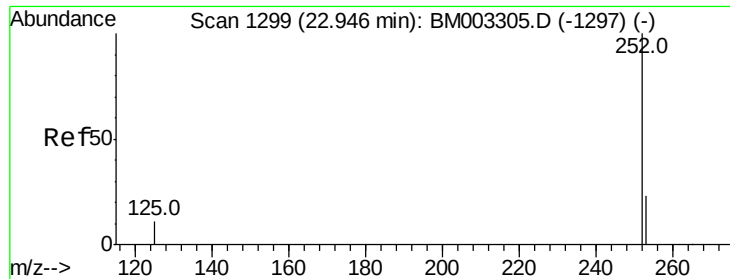
Tot Ion:264 Resp: 171156
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.6 29.4
 265 21.8 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 5.02 ng
 RT: 22.89 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BM003325.D
 Acq: 30 Nov 2015 18:59

Tgt Ion:252 Resp: 247169
 Ion Ratio Lower Upper
 252 100
 253 20.3 18.2 27.4
 125 14.2 10.3 15.5





#37

Benzo(k)fluoranthene

Concen: 4.53 ng

RT: 22.94 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

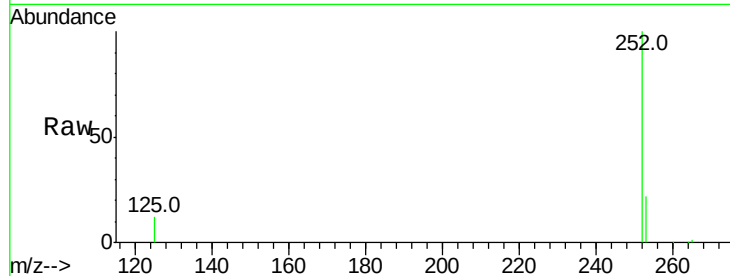
Tot Ion:252 Resp: 200858

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

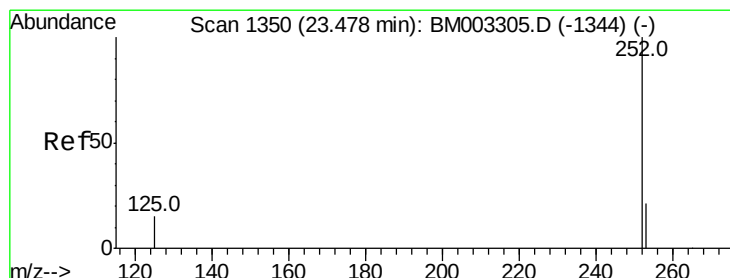
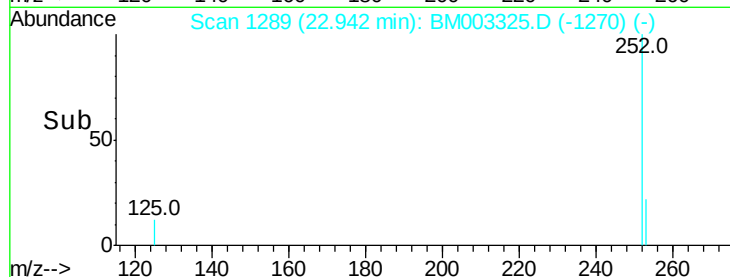
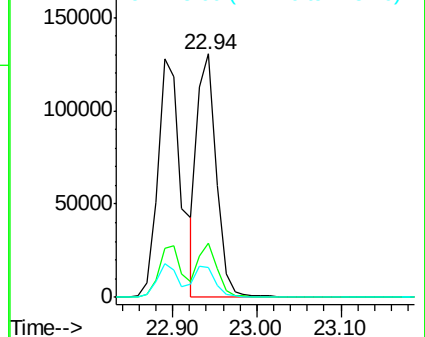
125 12.5 10.7 16.1



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: 5.25 ng

RT: 23.47 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

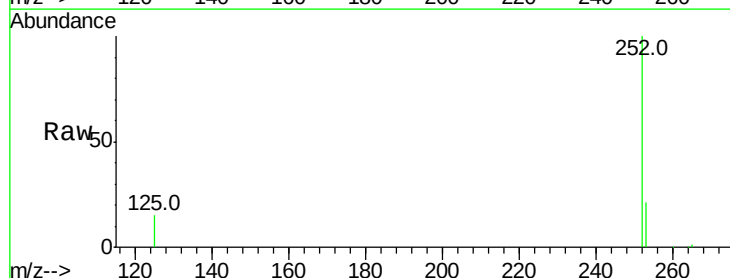
Tgt Ion:252 Resp: 206081

Ion Ratio Lower Upper

252 100

253 21.5 18.7 28.1

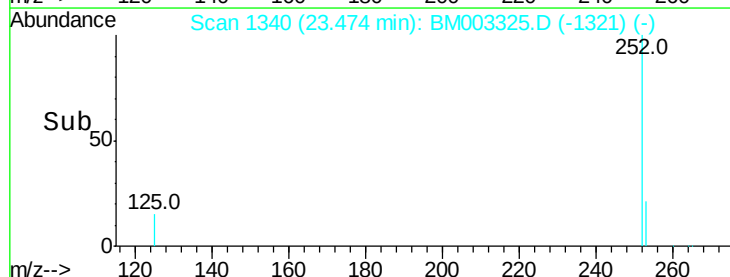
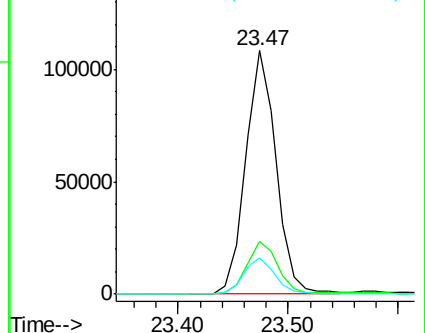
125 14.8 11.6 17.4

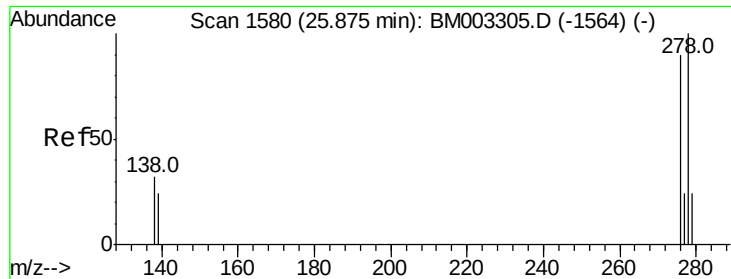


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 5.23 ng

RT: 25.86 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

Instrument :

BNA_M

ClientSampleId :

PB86824BS

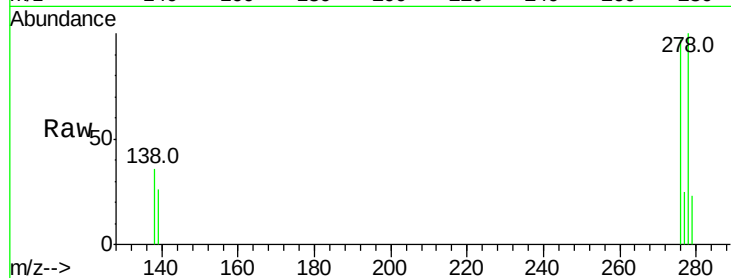
Tot Ion:278 Resp: 177583

Ion Ratio Lower Upper

278 100

139 25.8 18.2 27.4

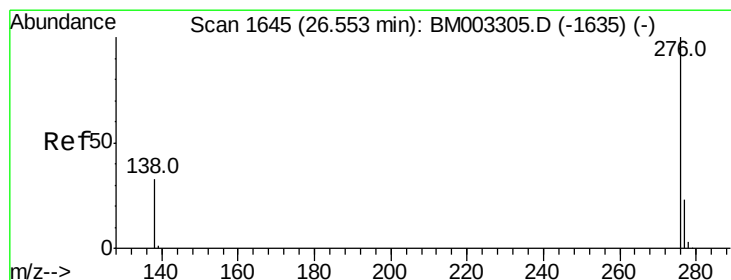
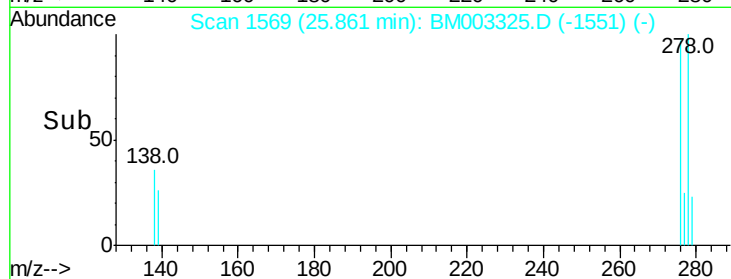
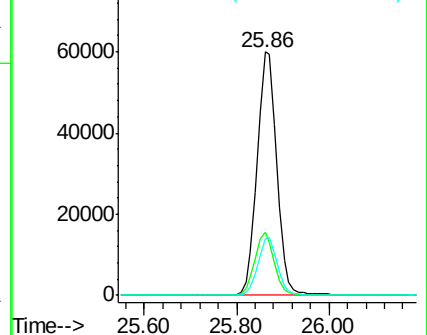
279 23.1 18.8 28.2



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: 4.54 ng

RT: 26.55 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BM003325.D

Acq: 30 Nov 2015 18:59

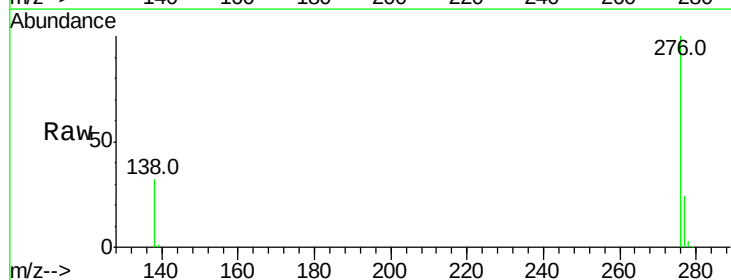
Tgt Ion:276 Resp: 184971

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 31.6 22.3 33.5



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

