

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004693.D
 Acq On : 18 Mar 2016 22:34
 Operator : UM/SJ
 Sample : MDL-04-W
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Quant Time: Mar 21 01:14:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 19 07:50:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	28688	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	113863	5.00	ng	-0.02
10) Acenaphthene-d10	14.46	164	60579	5.00	ng	0.00
16) Phenanthrene-d10	17.22	188	108685	5.00	ng	0.00
22) Chrysene-d12	21.39	240	131736	5.00	ng	0.00
28) Perylene-d12	23.69	264	108392	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	45569	6.88	ng	0.00
5) Phenol-d6	6.99	99	54640	6.74	ng	0.00
7) Nitrobenzene-d5	8.99	82	20093	3.66	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	12534	6.24	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	75593	4.36	ng	0.00
24) Terphenyl-d14	19.84	244	65772	3.95	ng	0.00

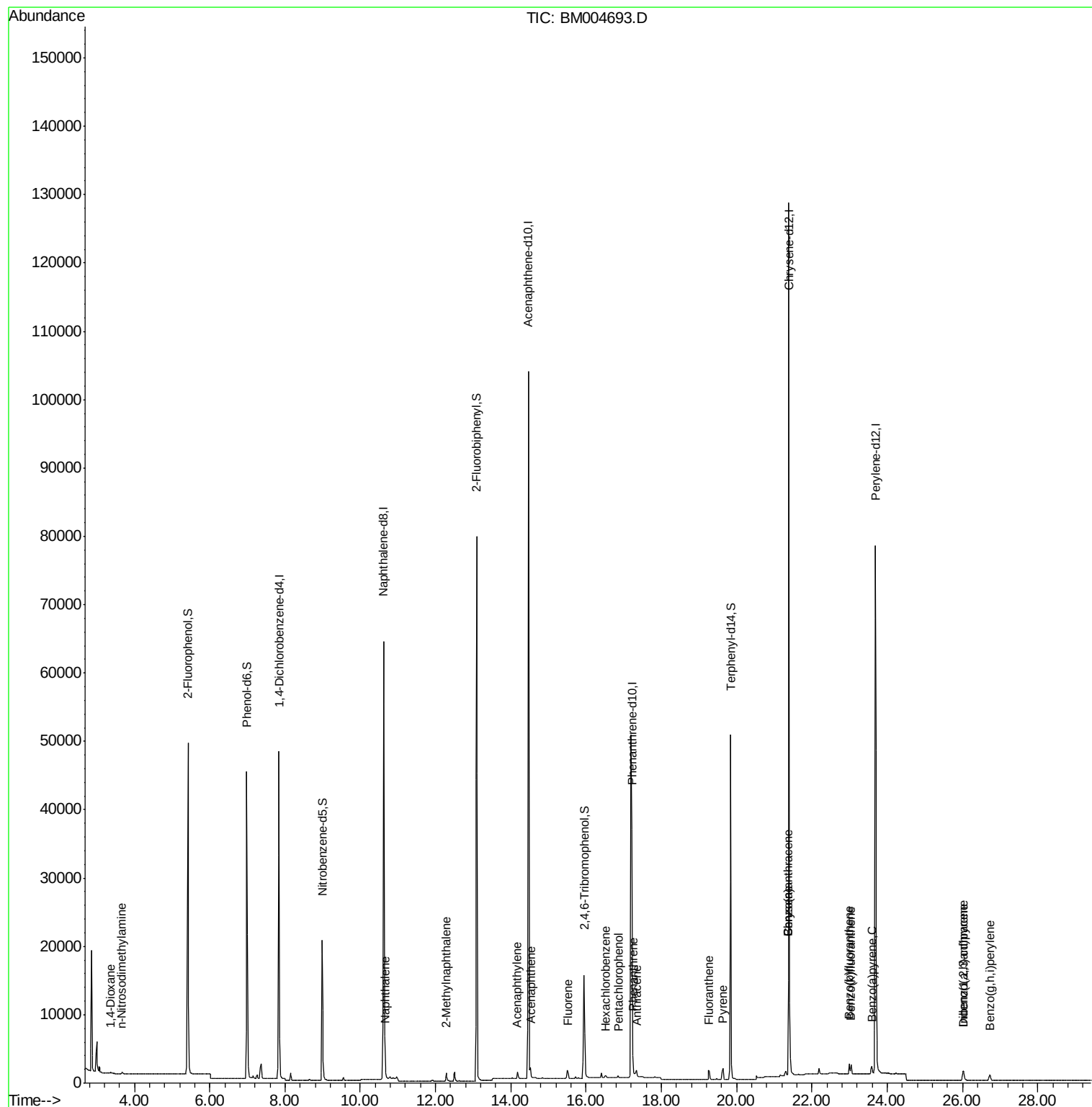
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	263	0.02	ng	# 82
3) n-Nitrosodimethylamine	3.66	42	153	0.05	ng	# 89
8) Naphthalene	10.67	128	1620	0.05	ng	# 89
9) 2-Methylnaphthalene	12.29	142	1036	0.05	ng	# 94
13) Acenaphthylene	14.17	152	1268	0.04	ng	98
14) Acenaphthene	14.53	154	1180	0.06	ng	87
15) Fluorene	15.50	166	1076	0.05	ng	# 67
17) Hexachlorobenzene	16.53	284	359	0.05	ng	# 100
18) Pentachlorophenol	16.86	266	196	0.17	ng	85
19) Phenanthrene	17.24	178	2464	0.06	ng	96
20) Anthracene	17.34	178	1440	0.05	ng	99
21) Fluoranthene	19.26	202	2000	0.05	ng	98
23) Pyrene	19.64	202	2133	0.04	ng	98
25) Benzo(a)anthracene	21.37	228	4481	0.09	ng	97
26) Chrysene	21.37	228	4511	0.12	ng	94
27) Indeno(1,2,3-cd)pyrene	26.02	276	1922	0.04	ng	100
29) Benzo(b)fluoranthene	23.00	252	2055	0.05	ng	# 72
30) Benzo(k)fluoranthene	23.04	252	1914	0.05	ng	# 73
31) Benzo(a)pyrene	23.59	252	1728	0.05	ng	# 62
32) Dibenzo(a,h)anthracene	26.03	278	1508	0.05	ng	# 75
33) Benzo(g,h,i)perylene	26.73	276	1757	0.05	ng	# 86

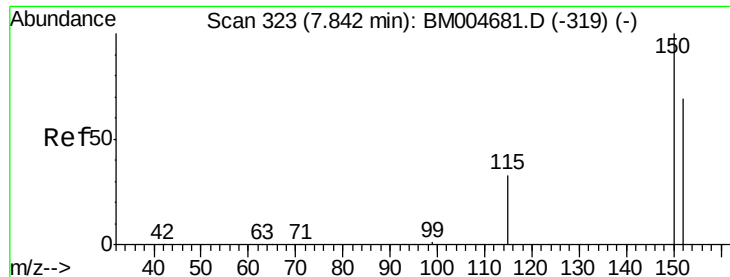
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

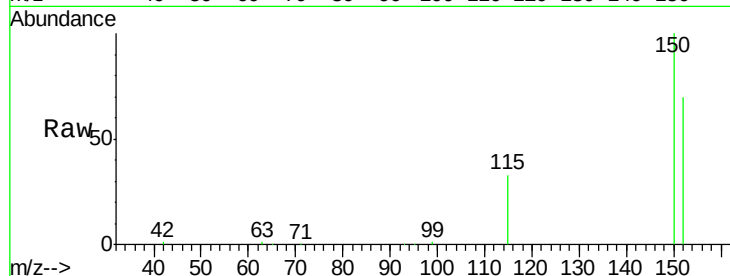
Tgt Ion:152 Resp: 28688

Ion Ratio Lower Upper

152 100

150 142.4 115.9 173.9

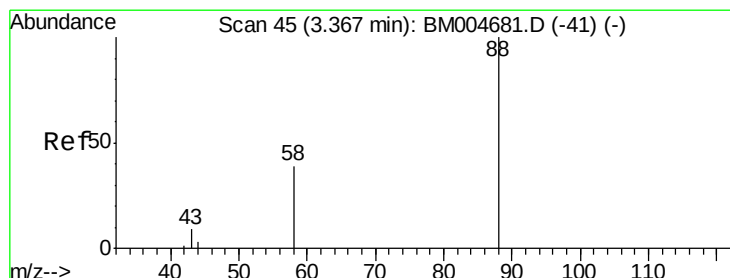
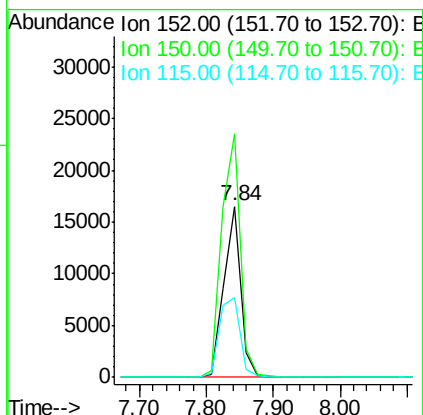
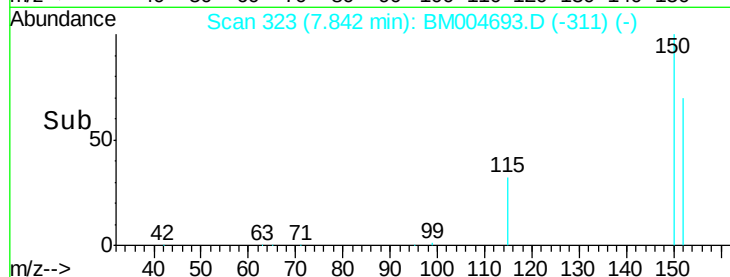
115 46.5 38.4 57.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

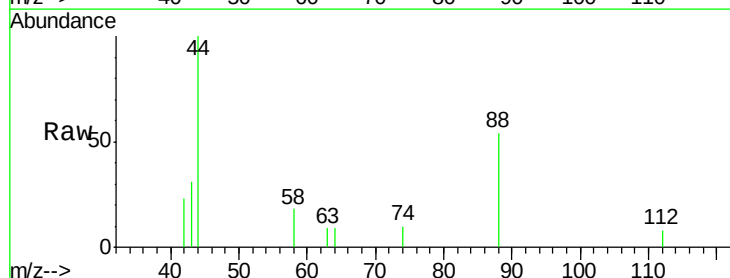
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

58 39.9 43.9 65.9#

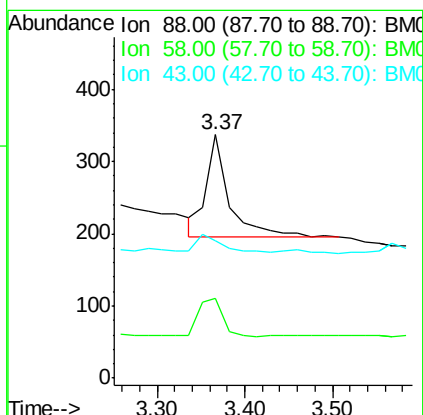
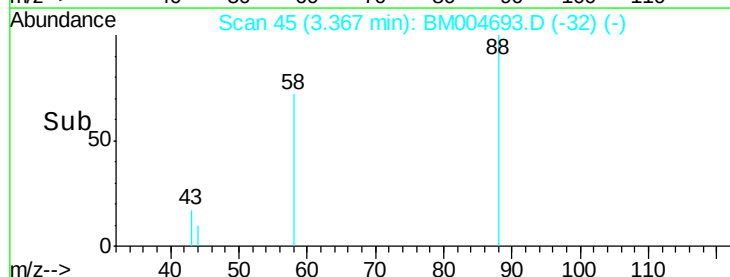
43 19.0 19.9 29.9#

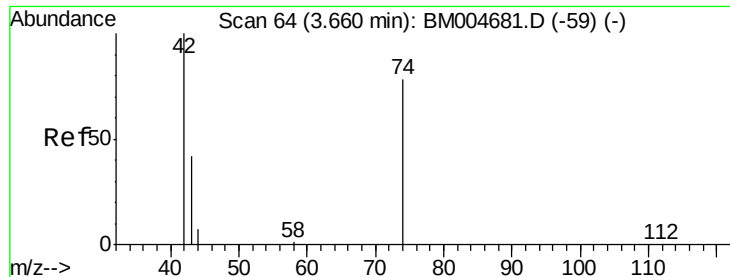


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

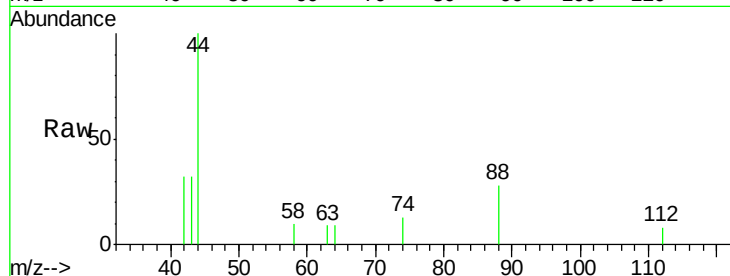
Tgt Ion: 42 Resp: 153

Ion Ratio Lower Upper

42 100

74 137.9 120.9 181.3

44 0.0 6.0 9.0#

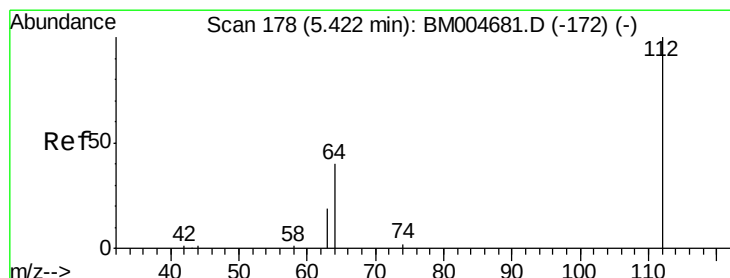
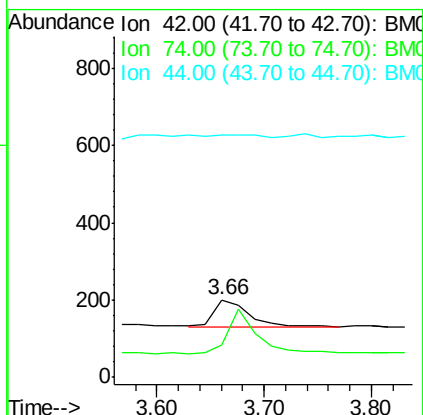
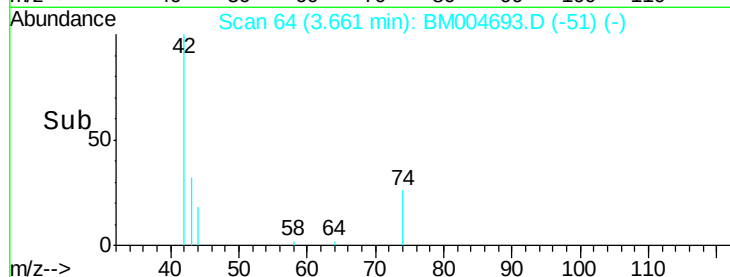


Abundance Ion 42.00 (41.70 to 42.70): BM004681.D (-59) (-)

Ion 74.00 (73.70 to 74.70): BM004681.D (-59) (-)

Ion 44.00 (43.70 to 44.70): BM004681.D (-59) (-)

Time-->



#4

2-Fluorophenol

Concen: 6.88 ng

RT: 5.42 min Scan# 178

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

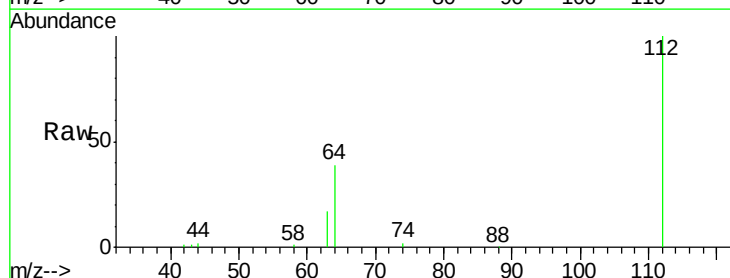
Tgt Ion: 112 Resp: 45569

Ion Ratio Lower Upper

112 100

64 46.9 37.0 55.6

63 24.1 19.3 28.9

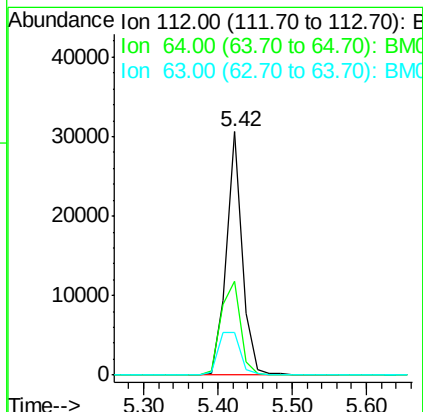
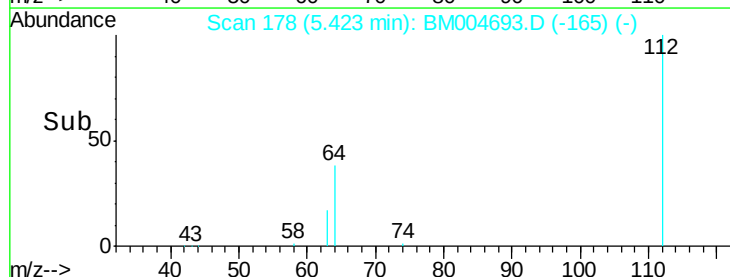


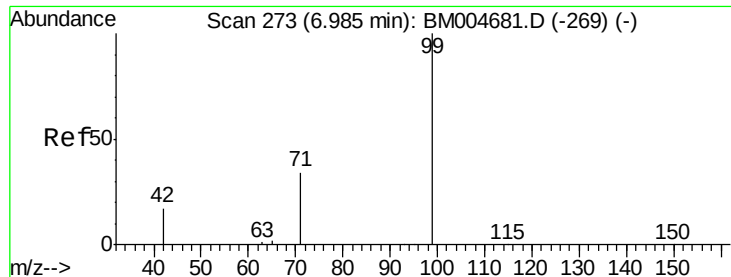
Abundance Ion 112.00 (111.70 to 112.70): BM004681.D (-172) (-)

Ion 64.00 (63.70 to 64.70): BM004681.D (-172) (-)

Ion 63.00 (62.70 to 63.70): BM004681.D (-172) (-)

Time-->





#5

Phenol-d6

Concen: 6.74 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

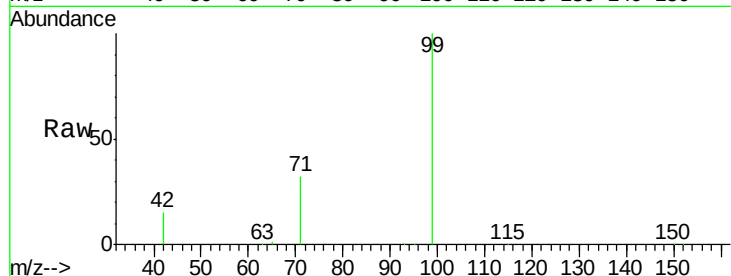
Tgt Ion: 99 Resp: 54640

Ion Ratio Lower Upper

99 100

42 14.3 12.7 19.1

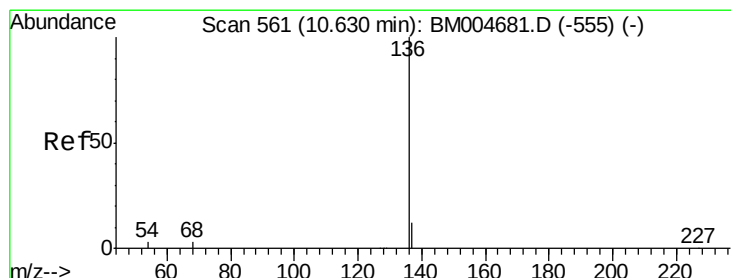
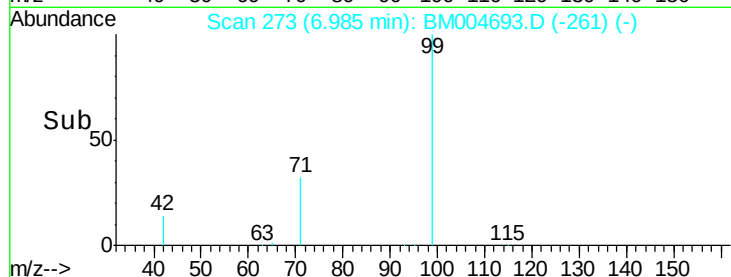
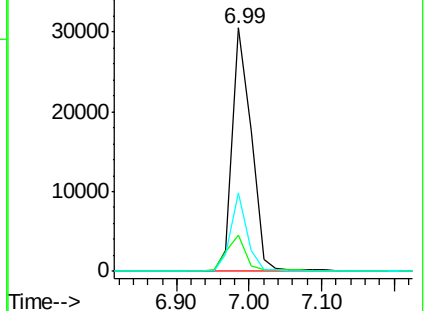
71 27.9 22.9 34.3



Abundance Ion 99.00 (98.70 to 99.70): BM004681.D (-269) (-)

Ion 42.00 (41.70 to 42.70): BM004681.D (-269) (-)

Ion 71.00 (70.70 to 71.70): BM004681.D (-269) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Tgt Ion: 136 Resp: 113863

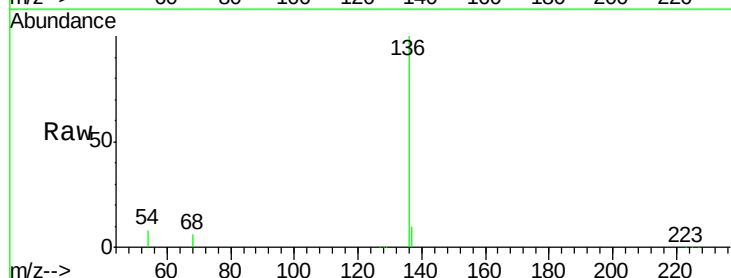
Ion Ratio Lower Upper

136 100

137 10.0 9.4 14.2

54 7.6 2.2 3.4#

68 6.3 2.2 3.4#

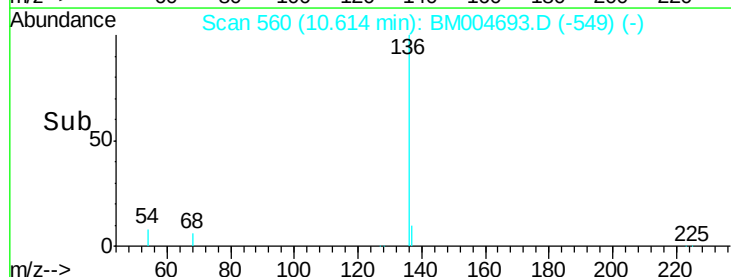
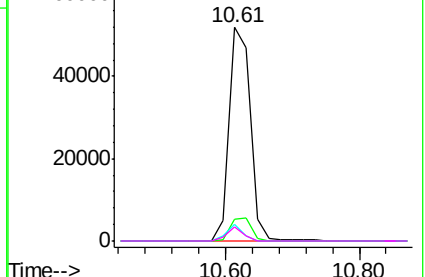


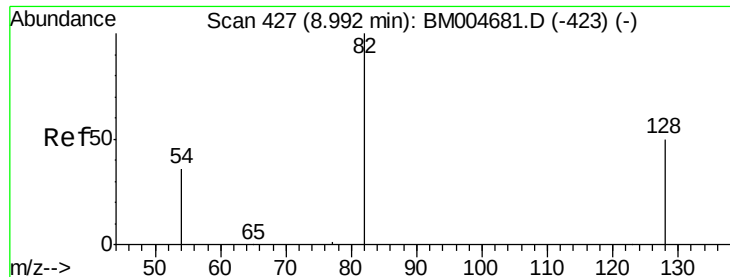
Abundance Ion 136.00 (135.70 to 136.70): BM004681.D (-555) (-)

Ion 137.00 (136.70 to 137.70): BM004681.D (-555) (-)

Ion 54.00 (53.70 to 54.70): BM004681.D (-555) (-)

Ion 68.00 (67.70 to 68.70): BM004681.D (-555) (-)





#7

Nitrobenzene-d5

Concen: 3.66 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampled :

MDL-04-W

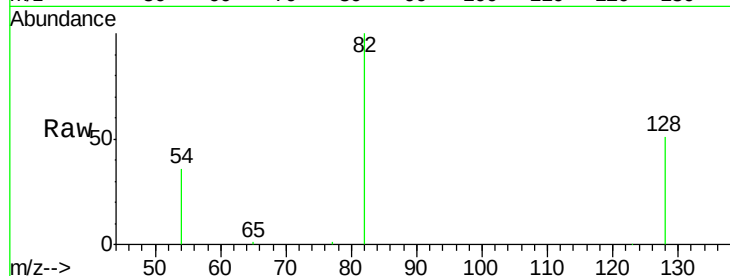
Tgt Ion: 82 Resp: 20093

Ion Ratio Lower Upper

82 100

128 51.0 41.8 62.8

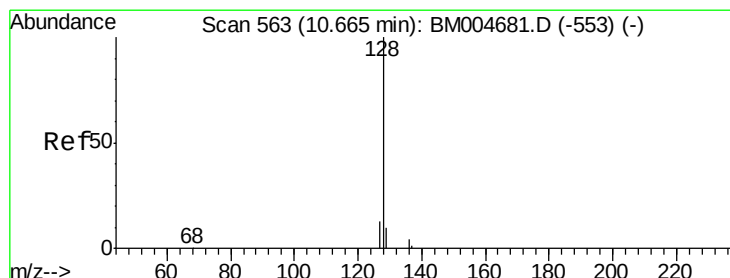
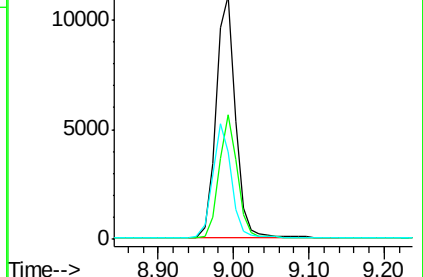
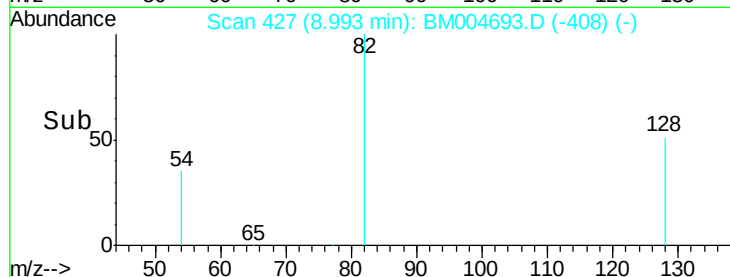
54 35.7 32.9 49.3



Abundance Ion 82.00 (81.70 to 82.70): BM004693.D (-408) (-)

Ion 128.00 (127.70 to 128.70): BM004693.D (-408) (-)

Ion 54.00 (53.70 to 54.70): BM004693.D (-408) (-)



#8

Naphthalene

Concen: 0.05 ng

RT: 10.67 min Scan# 563

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

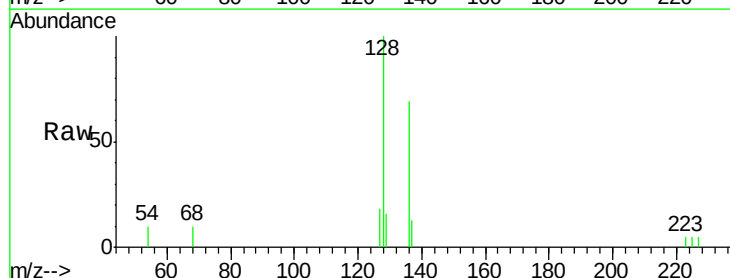
Tgt Ion: 128 Resp: 1620

Ion Ratio Lower Upper

128 100

129 16.2 8.9 13.3#

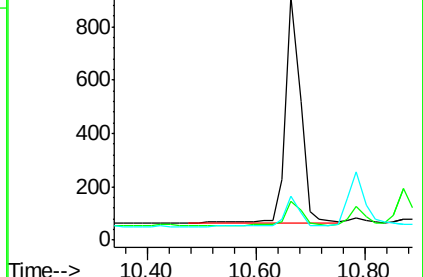
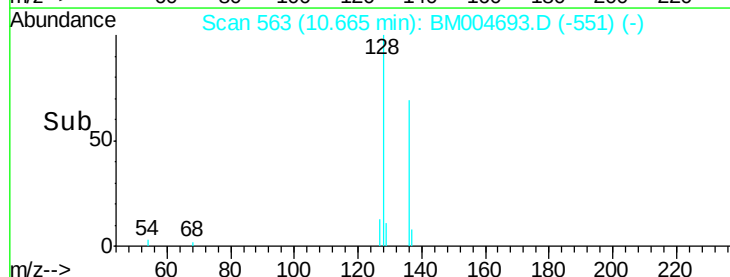
127 18.1 11.3 16.9#

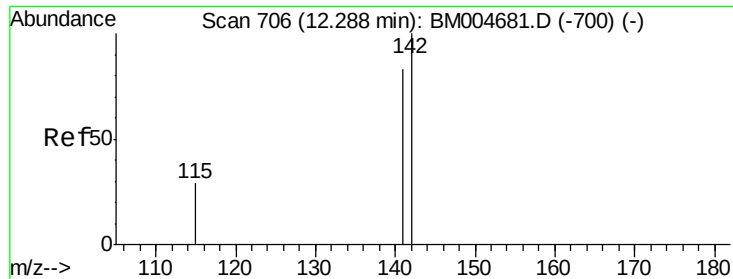


Abundance Ion 128.00 (127.70 to 128.70): BM004693.D (-551) (-)

Ion 129.00 (128.70 to 129.70): BM004693.D (-551) (-)

Ion 127.00 (126.70 to 127.70): BM004693.D (-551) (-)





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

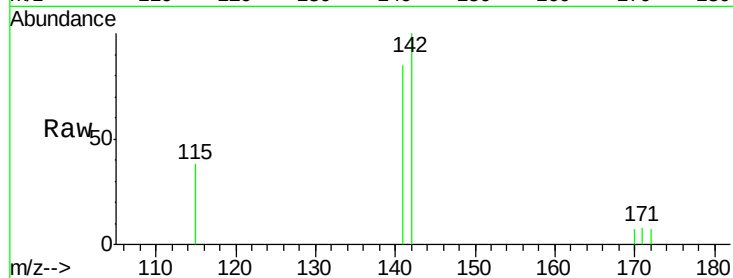
Tgt Ion:142 Resp: 1036

Ion Ratio Lower Upper

142 100

141 84.9 66.2 99.2

115 37.7 23.8 35.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.29

600

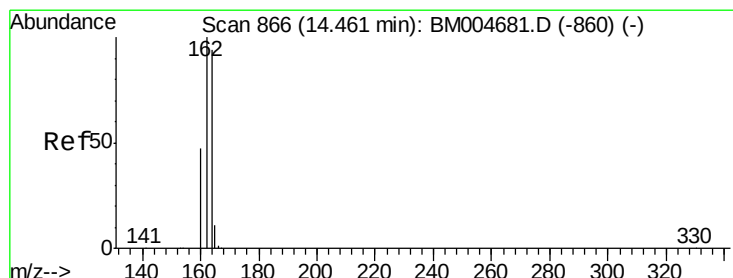
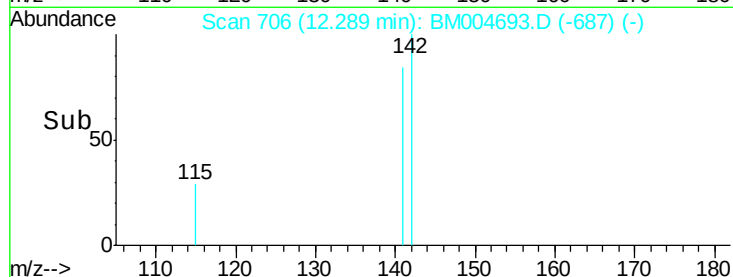
400

200

0

12.20 12.30 12.40

Time-->



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.46 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

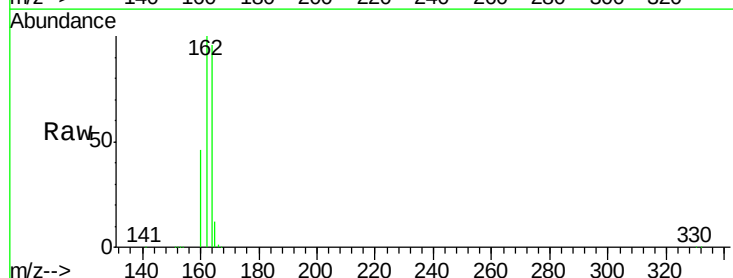
Tgt Ion:164 Resp: 60579

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.0

160 47.7 40.2 60.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.46

50000

40000

30000

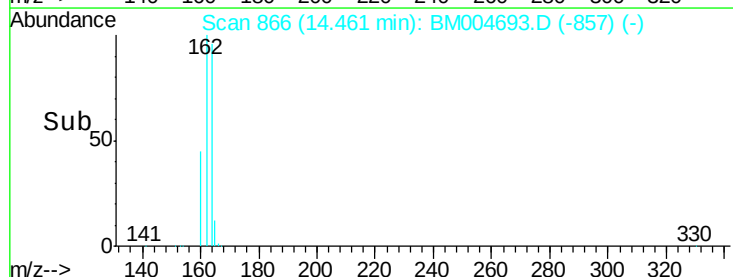
20000

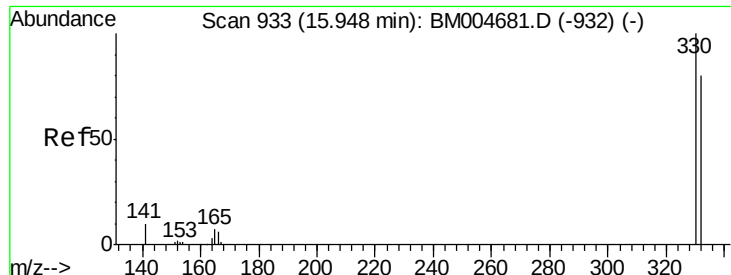
10000

0

14.20 14.40 14.60

Time-->

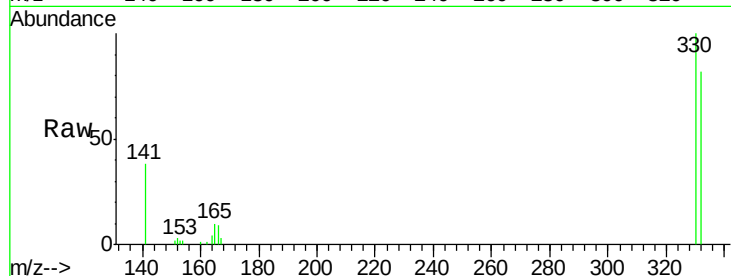




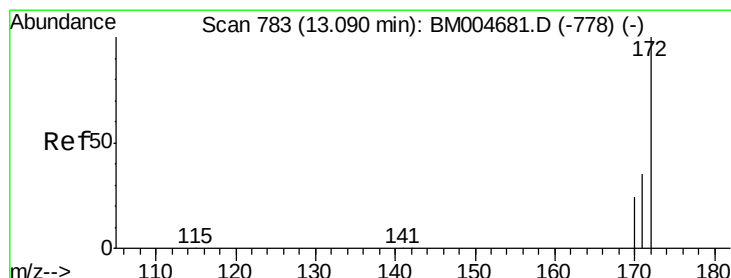
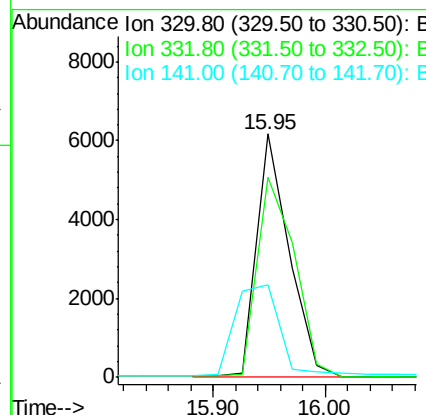
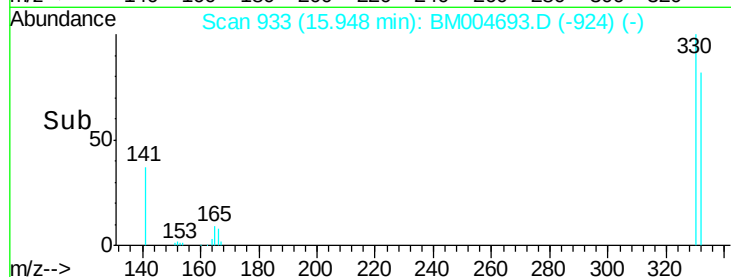
#11
 2,4,6-Tribromophenol
 Concen: 6.24 ng
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004693.D
 Acq: 18 Mar 2016 22:34

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Tgt Ion:330 Resp: 12534
 Ion Ratio Lower Upper
 330 100
 332 94.9 93.9 140.9
 141 51.5 42.2 63.2

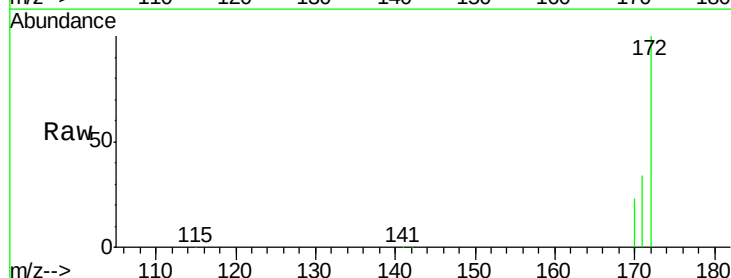


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

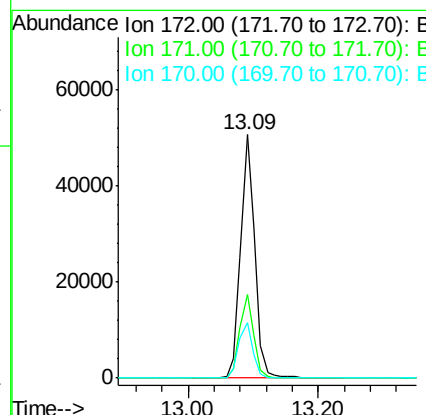
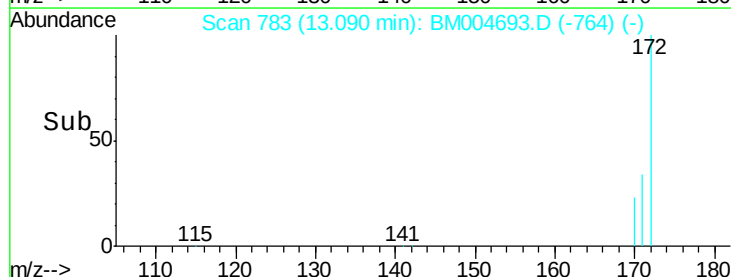


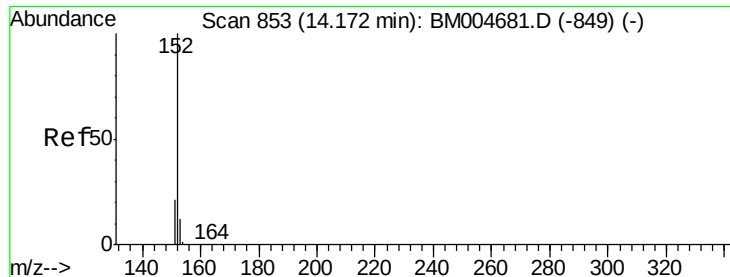
#12
 2-Fluorobiphenyl
 Concen: 4.36 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004693.D
 Acq: 18 Mar 2016 22:34

Tgt Ion:172 Resp: 75593
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.2 42.2
 170 22.8 19.4 29.2



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





#13

Acenaphthylene

Concen: 0.04 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

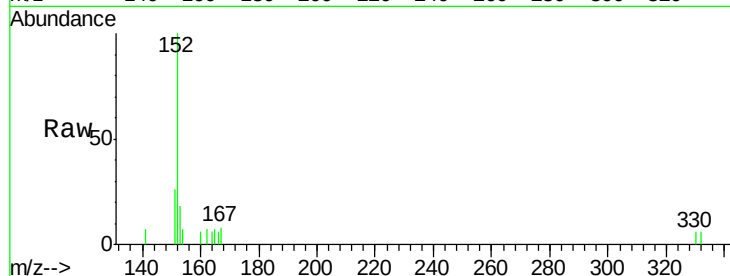
Tgt Ion:152 Resp: 1268

Ion Ratio Lower Upper

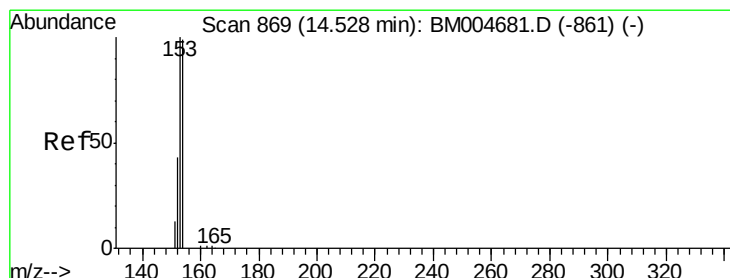
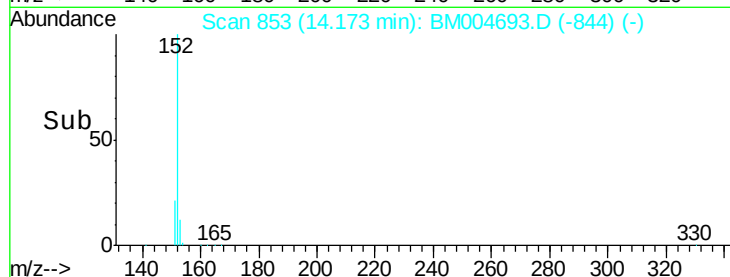
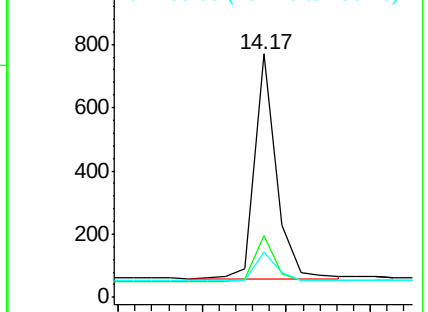
152 100

151 19.0 15.8 23.6

153 13.3 10.2 15.2



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



#14

Acenaphthene

Concen: 0.06 ng

RT: 14.53 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

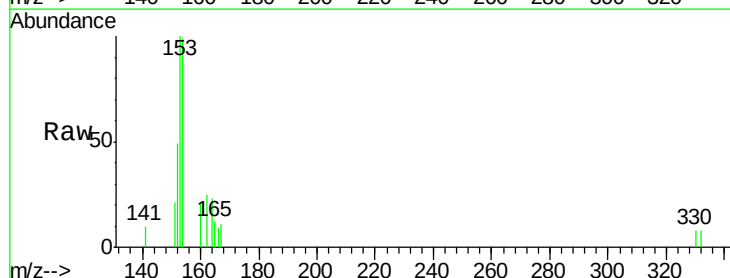
Tgt Ion:154 Resp: 1180

Ion Ratio Lower Upper

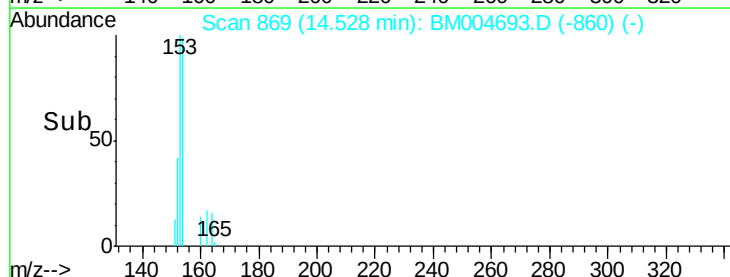
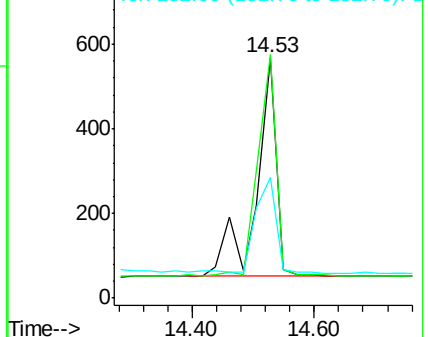
154 100

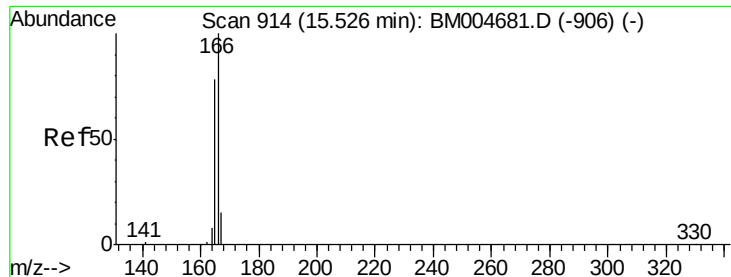
153 89.9 83.8 125.6

152 44.2 40.3 60.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#15

Fluorene

Concen: 0.05 ng

RT: 15.50 min Scan# 913

Delta R.T. -0.02 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

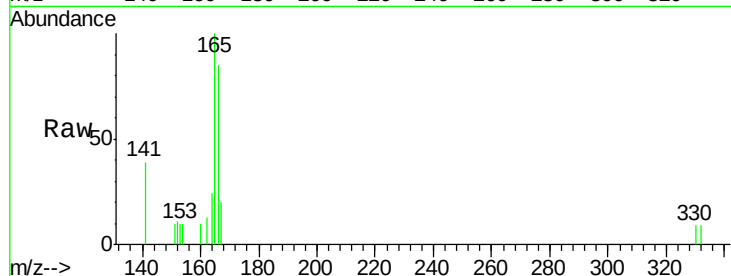
Tgt Ion:166 Resp: 1076

Ion Ratio Lower Upper

166 100

165 100.4 0.0 0.0#

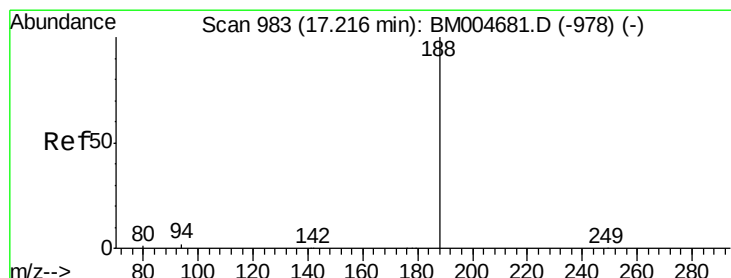
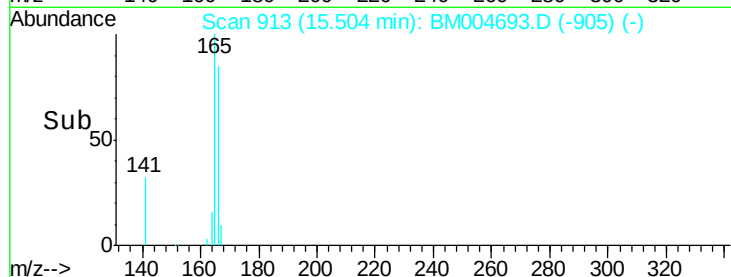
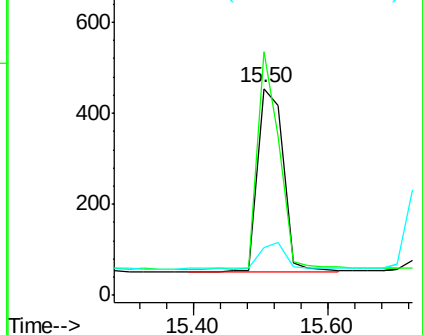
167 0.0 10.6 15.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.22 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

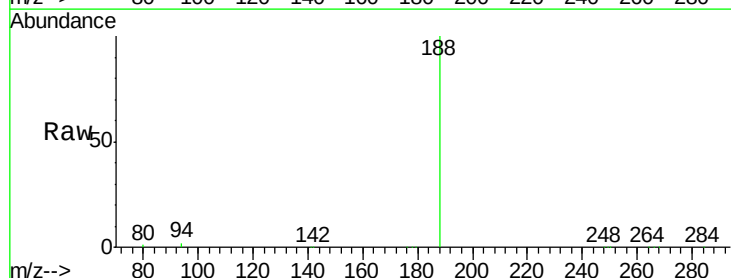
Tgt Ion:188 Resp: 108685

Ion Ratio Lower Upper

188 100

94 1.8 1.4 2.0

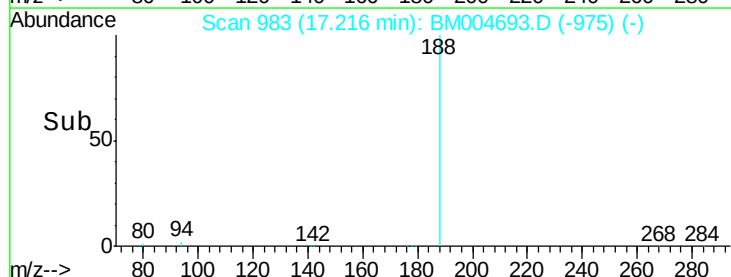
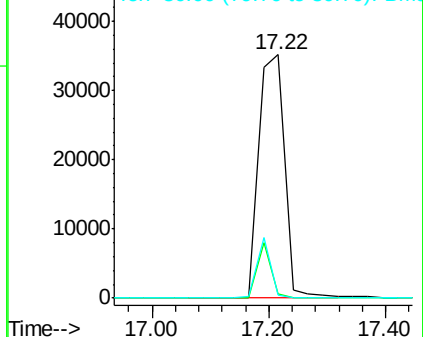
80 1.5 1.0 1.6

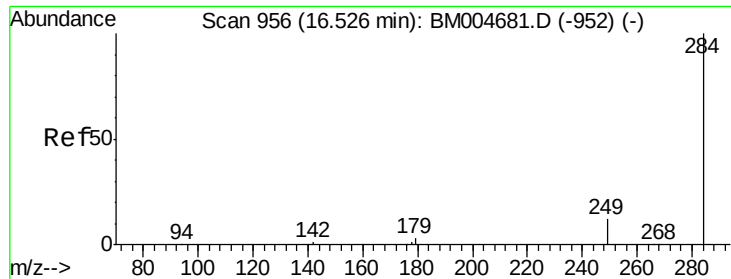


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

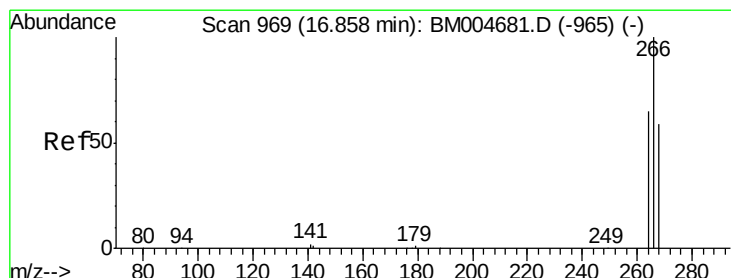
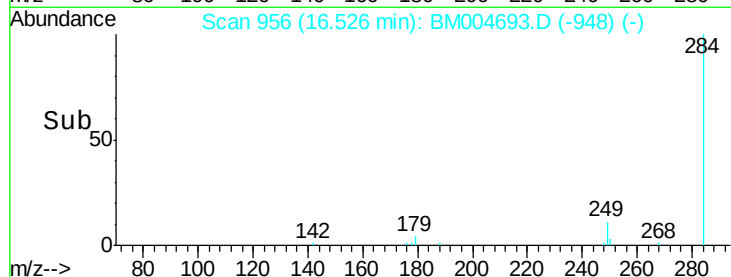
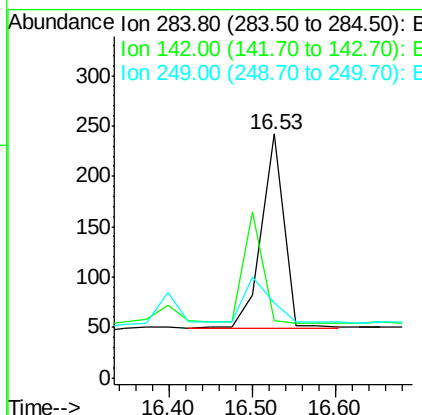
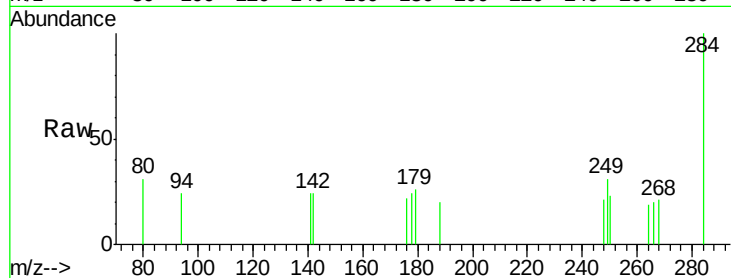




#17
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004693.D
Acq: 18 Mar 2016 22:34

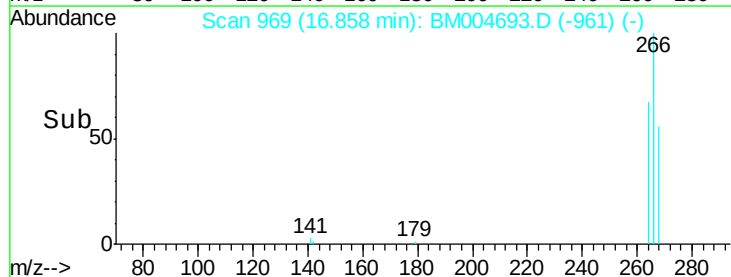
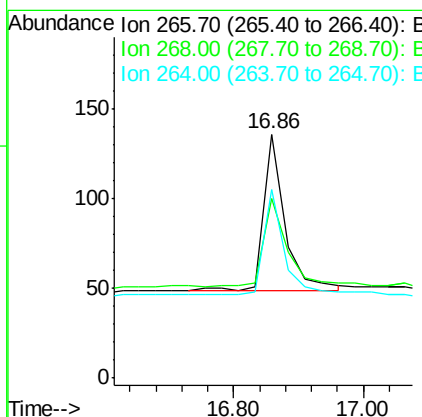
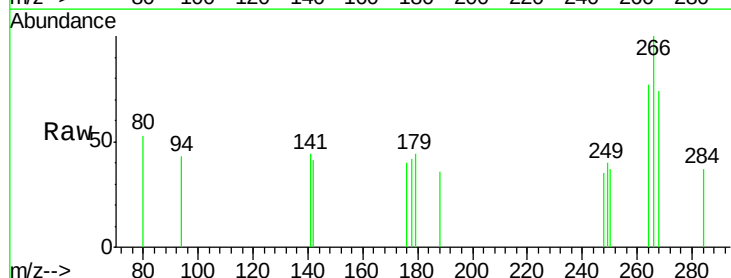
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

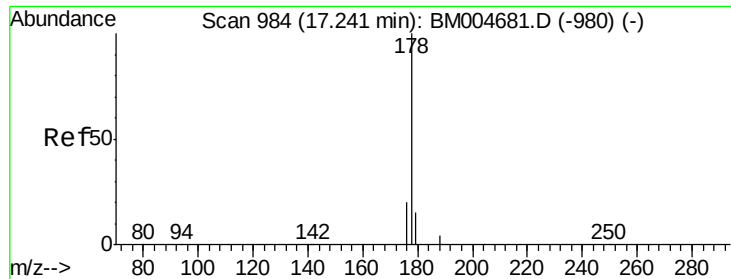
Tgt Ion: 284 Resp: 359
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#18
Pentachlorophenol
Concen: 0.17 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004693.D
Acq: 18 Mar 2016 22:34

Tgt Ion: 266 Resp: 196
Ion Ratio Lower Upper
266 100
268 73.5 49.1 73.7
264 77.2 52.9 79.3





#19

Phenanthrene

Concen: 0.06 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

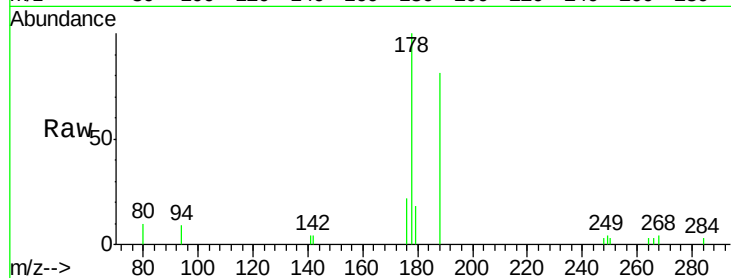
Tgt Ion:178 Resp: 2464

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

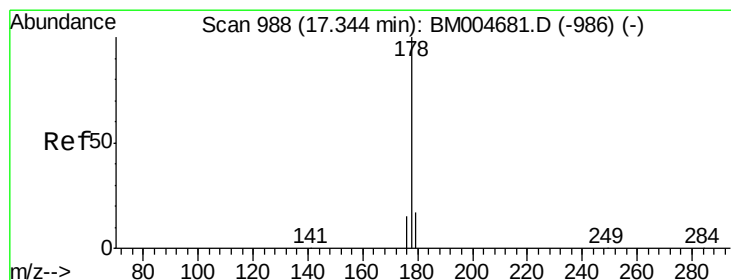
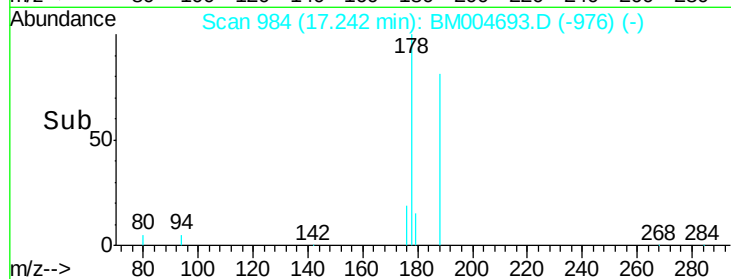
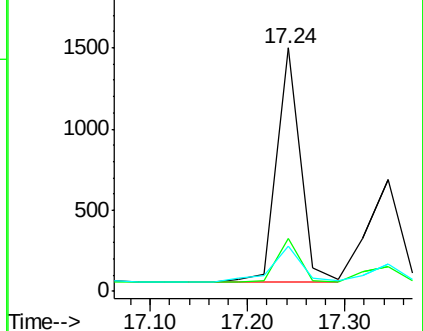
179 18.3 12.2 18.4



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



#20

Anthracene

Concen: 0.05 ng

RT: 17.34 min Scan# 988

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

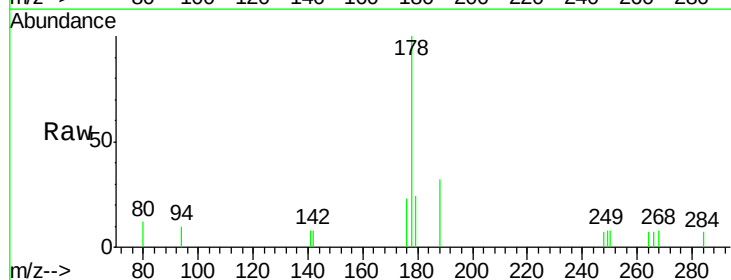
Tgt Ion:178 Resp: 1440

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

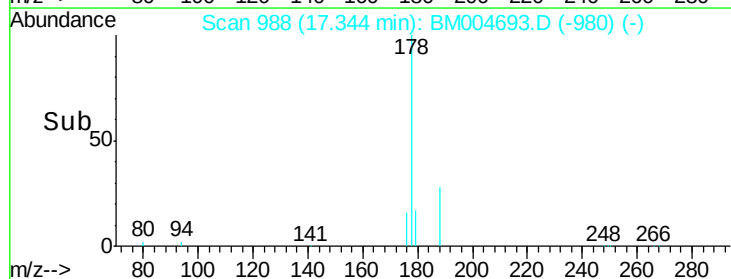
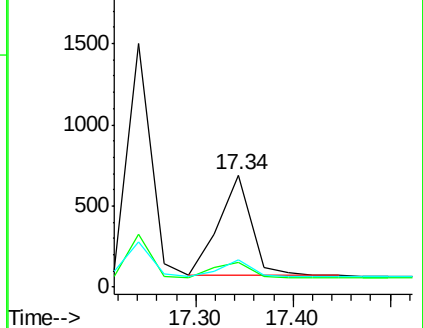
179 16.1 12.6 18.8

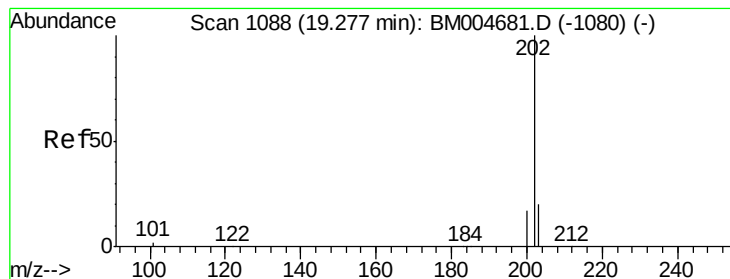


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#21

Fluoranthene

Concen: 0.05 ng

RT: 19.26 min Scan# 1087

Delta R.T. -0.02 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

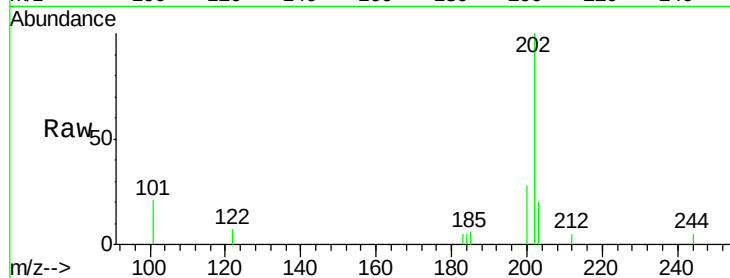
Tgt Ion:202 Resp: 2000

Ion Ratio Lower Upper

202 100

101 10.7 8.7 13.1

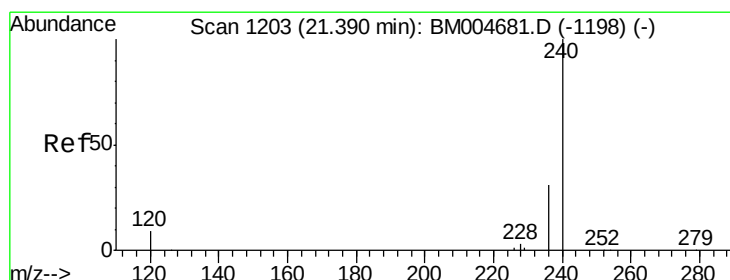
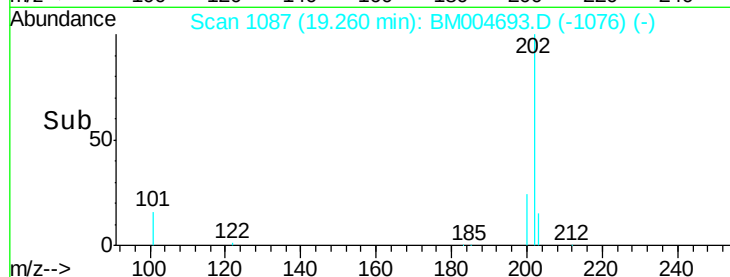
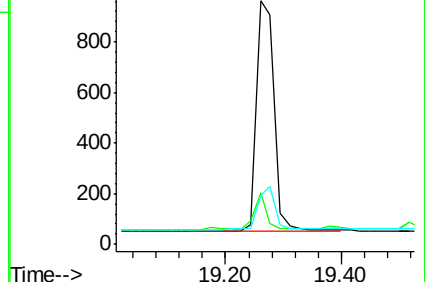
203 18.8 14.1 21.1



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

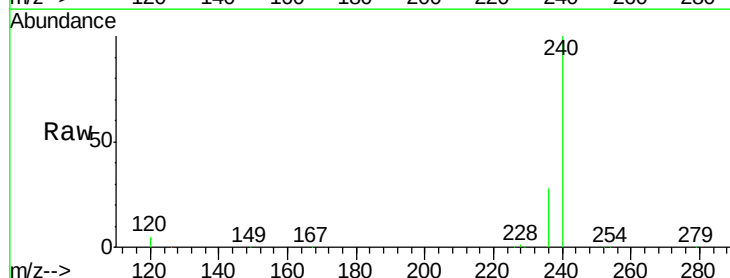
Tgt Ion:240 Resp: 131736

Ion Ratio Lower Upper

240 100

120 5.4 7.4 11.2#

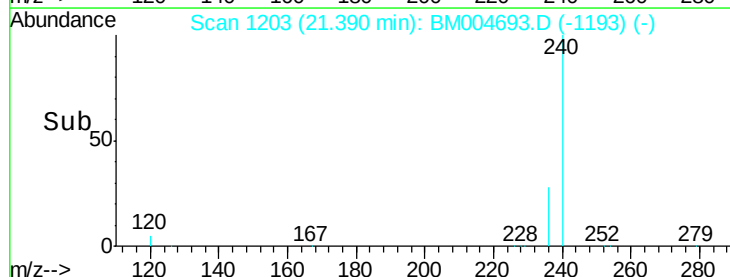
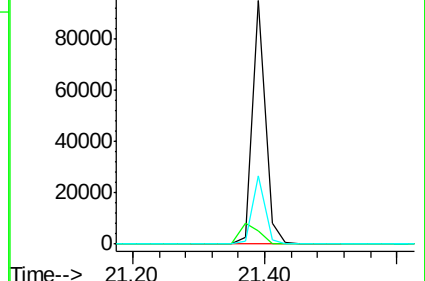
236 28.2 24.5 36.7

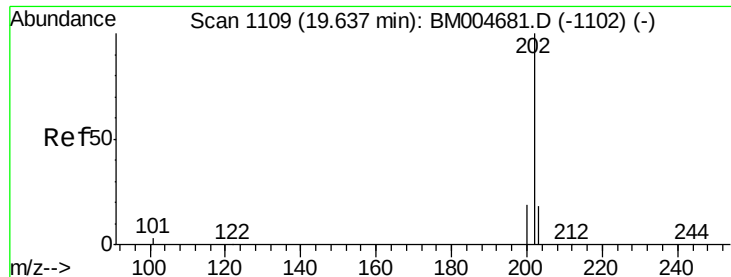


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

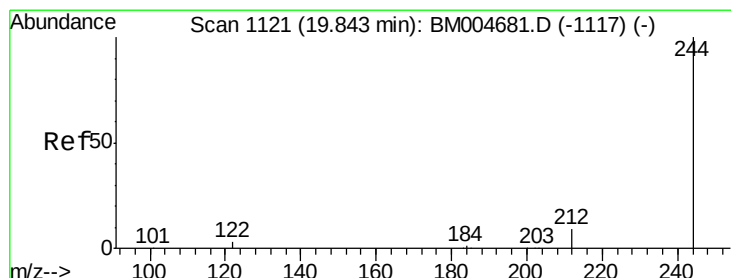
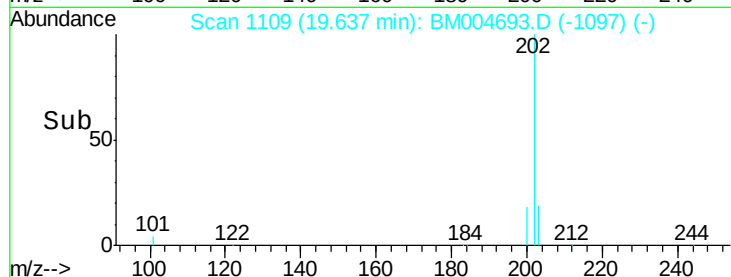
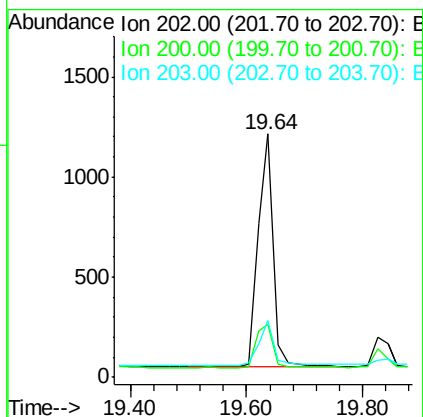
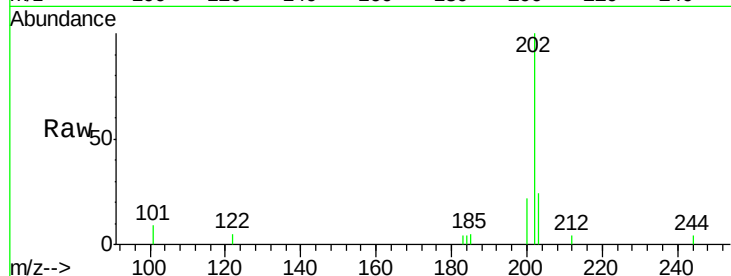




#23
Pyrene
Concen: 0.04 ng
RT: 19.64 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM004693.D
Acq: 18 Mar 2016 22:34

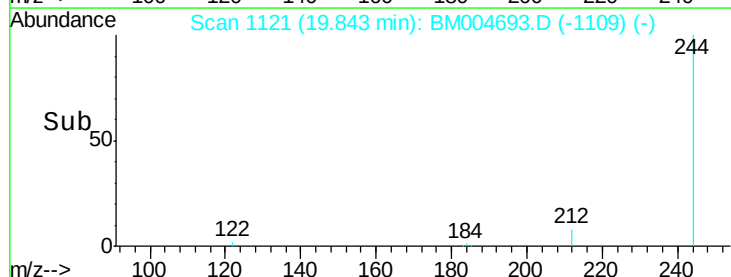
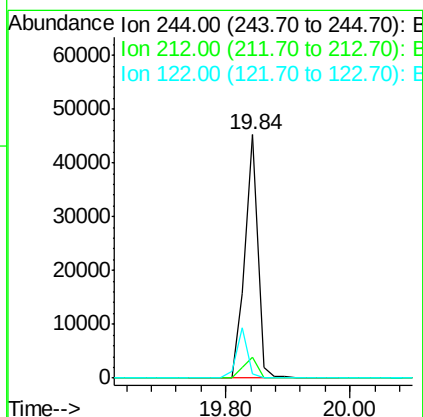
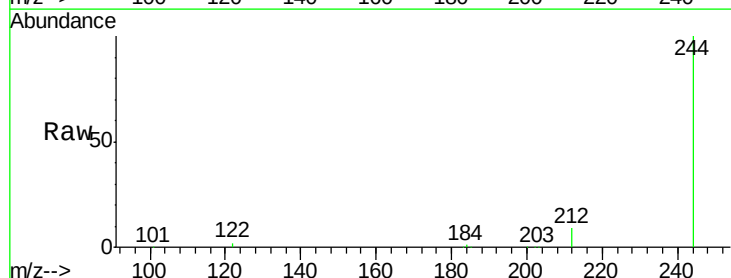
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

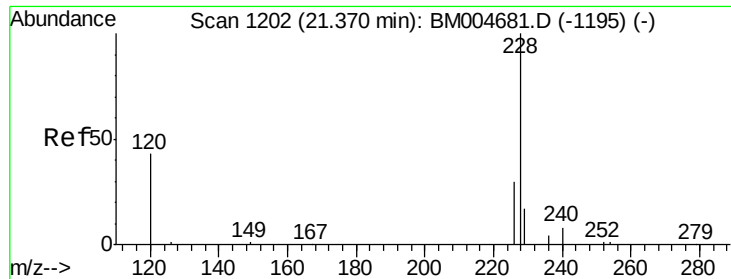
Tgt Ion: 202 Resp: 2133
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 19.4 13.9 20.9



#24
Terphenyl-d14
Concen: 3.95 ng
RT: 19.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM004693.D
Acq: 18 Mar 2016 22:34

Tgt Ion: 244 Resp: 65772
Ion Ratio Lower Upper
244 100
212 8.6 7.7 11.5
122 2.0 3.4 5.0#





#25

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.37 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

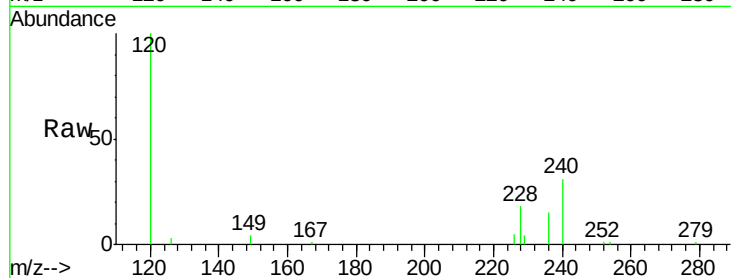
Tgt Ion:228 Resp: 4481

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

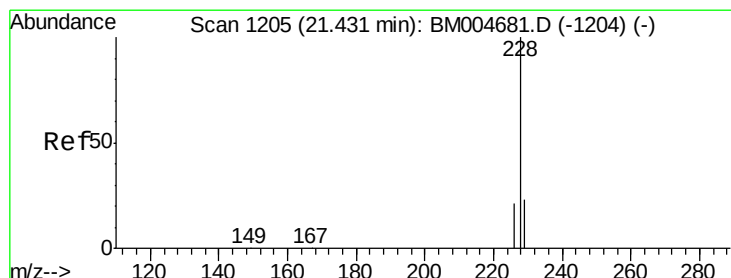
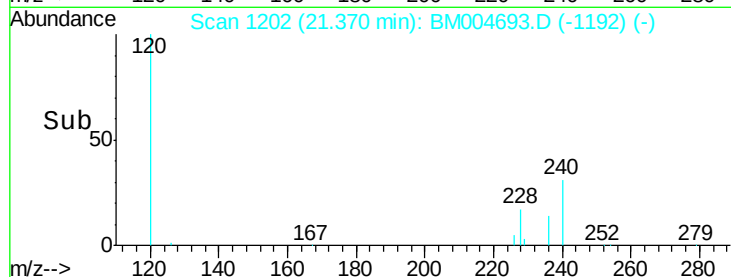
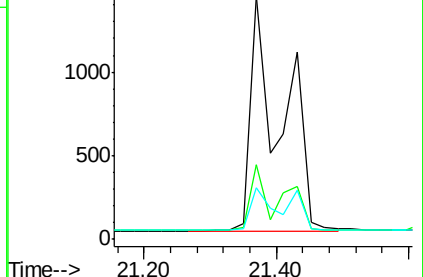
229 21.0 14.2 21.2



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



#26

Chrysene

Concen: 0.12 ng

RT: 21.37 min Scan# 1202

Delta R.T. -0.06 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

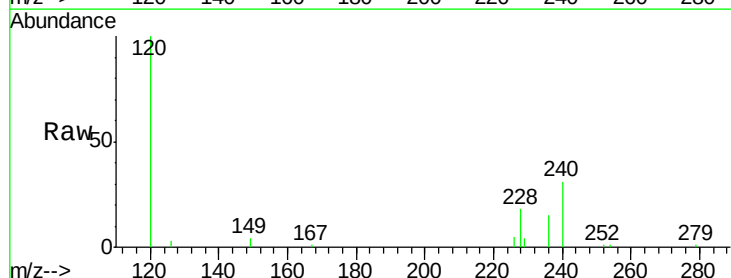
Tgt Ion:228 Resp: 4511

Ion Ratio Lower Upper

228 100

226 30.6 20.9 31.3

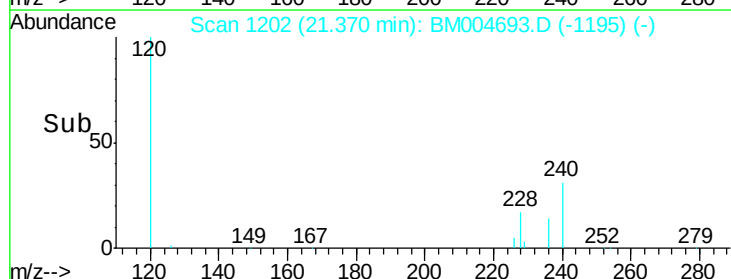
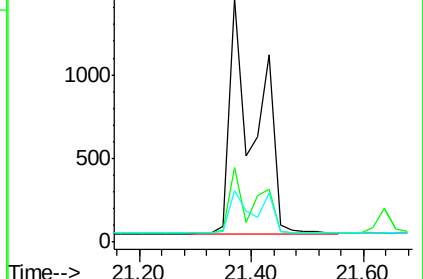
229 21.0 17.4 26.2

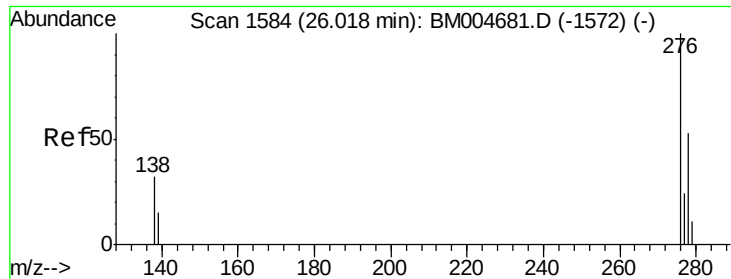


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.02 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BM004693.D

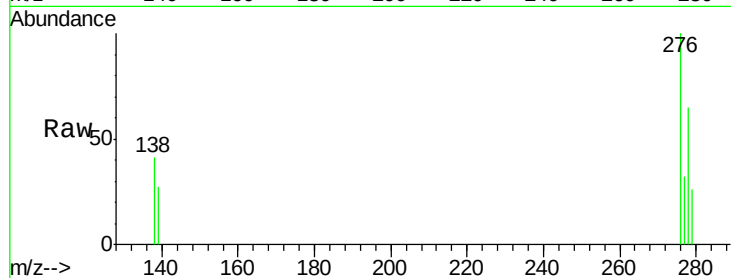
Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W



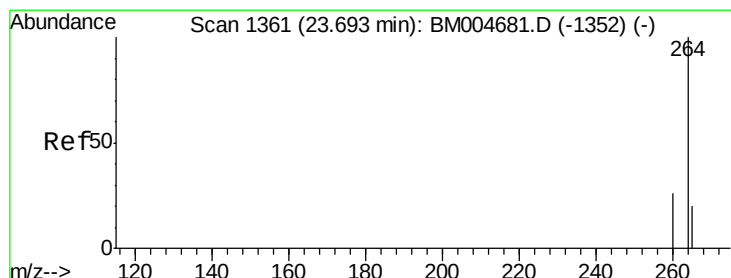
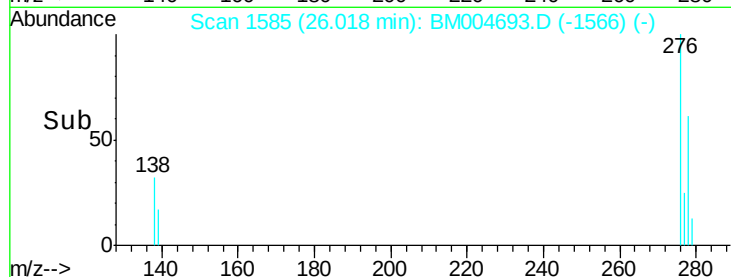
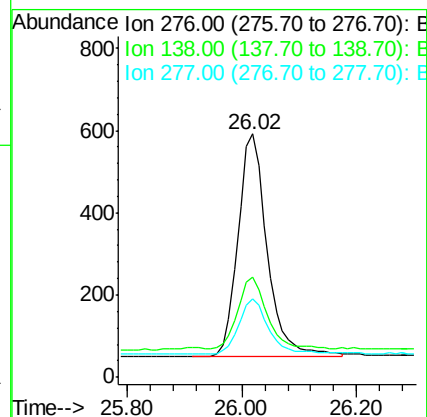
Tgt Ion:276 Resp: 1922

Ion Ratio Lower Upper

276 100

138 32.3 25.9 38.9

277 25.0 19.8 29.6



#28

Perylene-d12

Concen: 5.00 ng

RT: 23.69 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

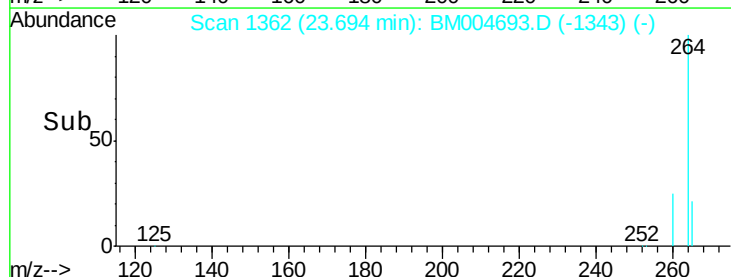
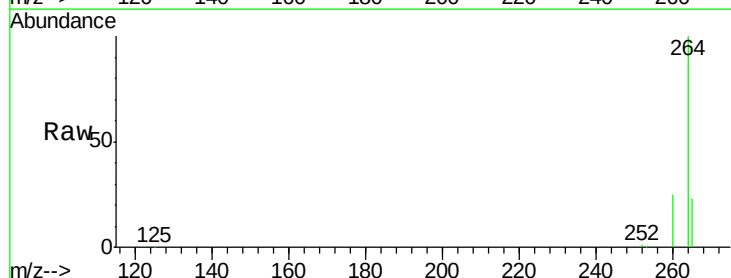
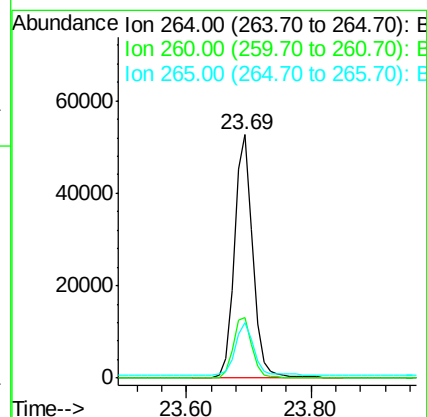
Tgt Ion:264 Resp: 108392

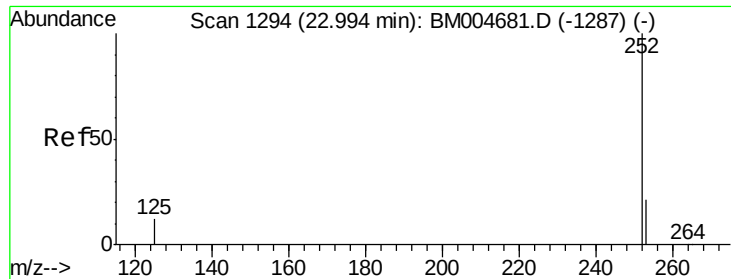
Ion Ratio Lower Upper

264 100

260 25.0 21.0 31.4

265 22.8 17.5 26.3





#29

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 23.00 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

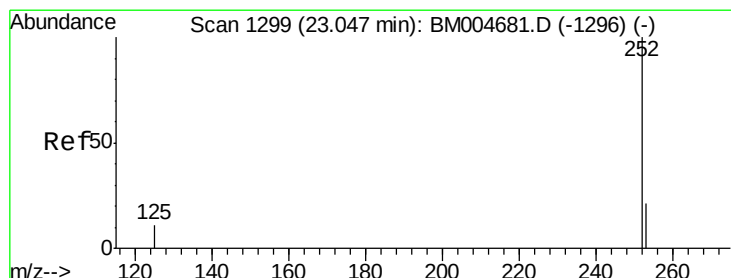
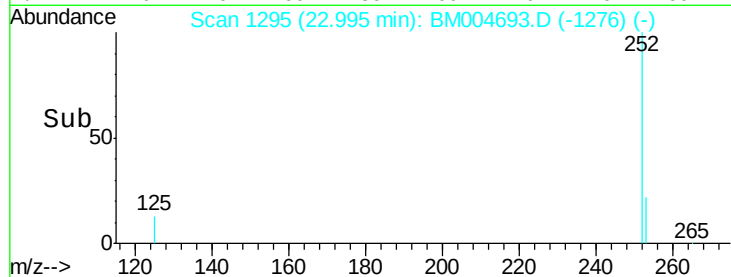
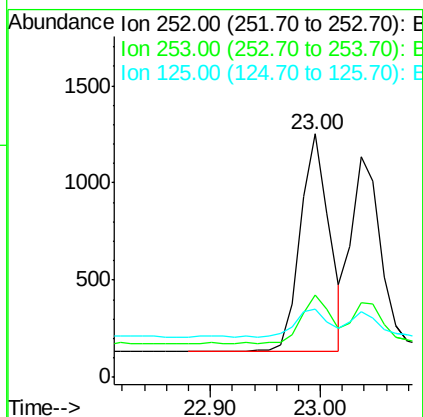
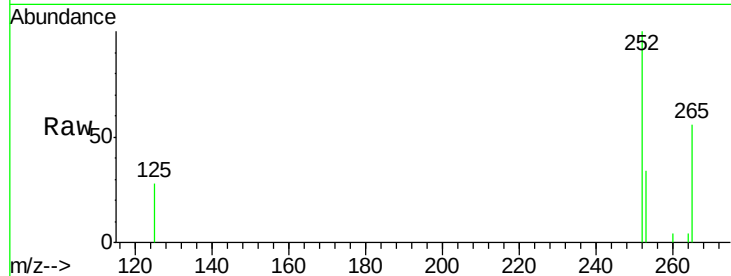
Tgt Ion:252 Resp: 2055

Ion Ratio Lower Upper

252 100

253 33.7 17.9 26.9#

125 28.2 11.4 17.0#



#30

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 23.04 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

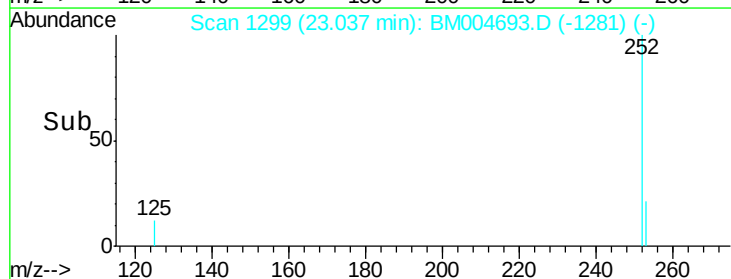
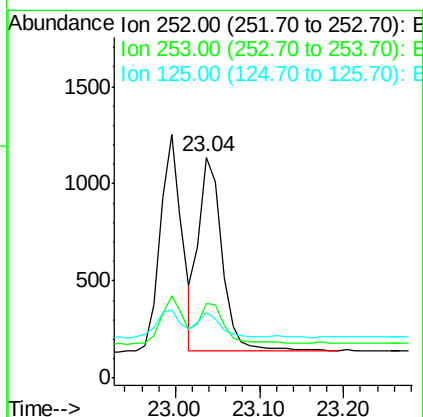
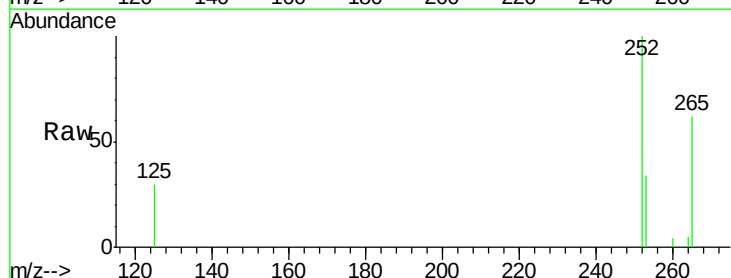
Tgt Ion:252 Resp: 1914

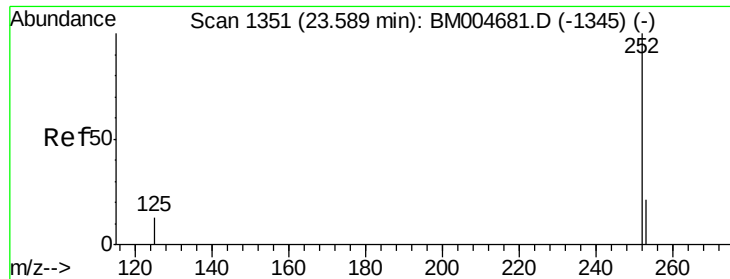
Ion Ratio Lower Upper

252 100

253 33.8 19.3 28.9#

125 29.5 10.6 15.8#





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.59 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

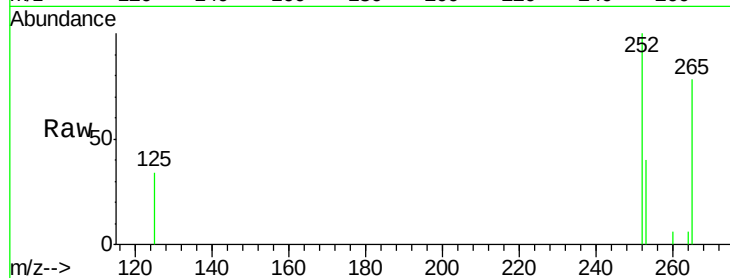
Tgt Ion:252 Resp: 1728

Ion Ratio Lower Upper

252 100

253 39.5 18.6 28.0#

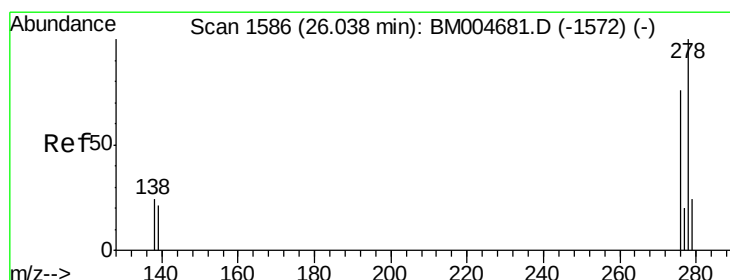
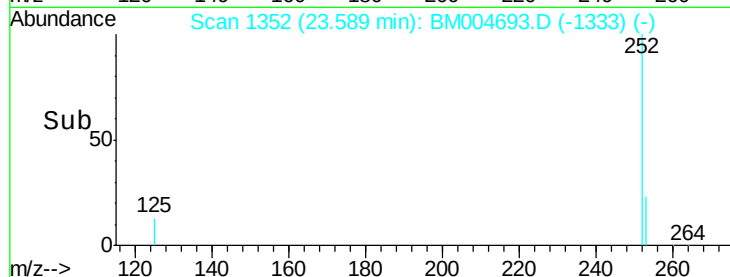
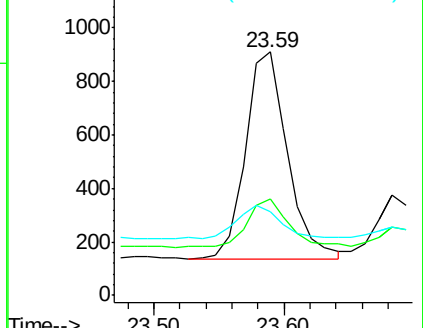
125 34.1 12.3 18.5#



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



#32

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 26.03 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BM004693.D

Acq: 18 Mar 2016 22:34

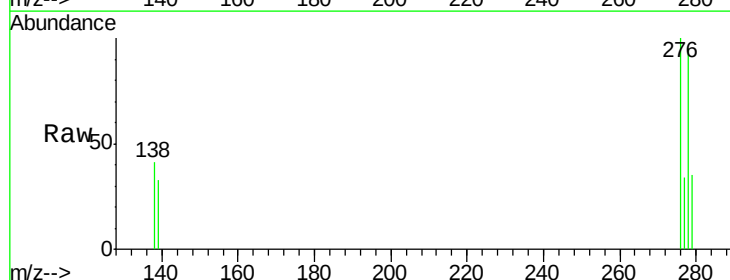
Tgt Ion:278 Resp: 1508

Ion Ratio Lower Upper

278 100

139 34.4 17.6 26.4#

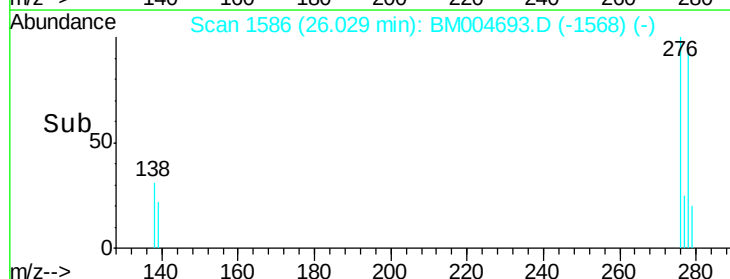
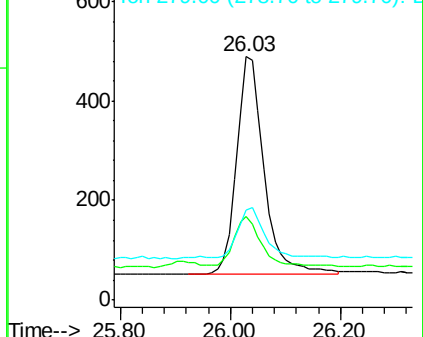
279 36.8 19.9 29.9#

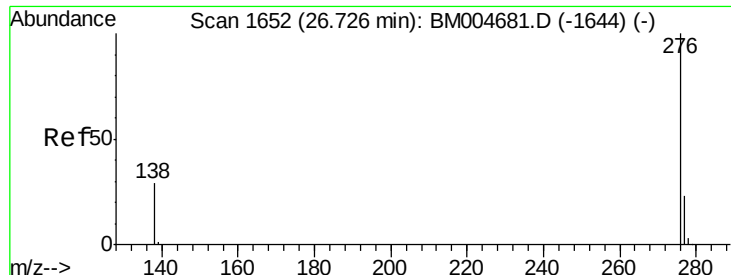


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.73 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM004693.D

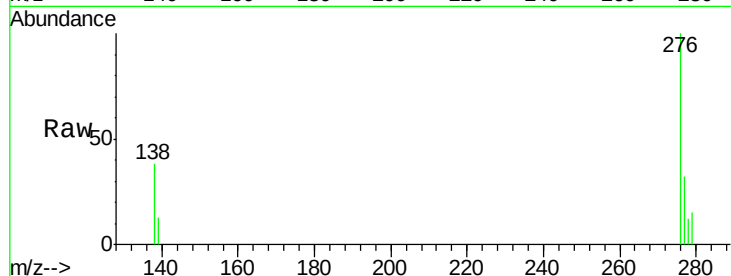
Acq: 18 Mar 2016 22:34

Instrument :

BNA_M

ClientSampleId :

MDL-04-W



Tgt Ion: 276 Resp: 1757

Ion Ratio Lower Upper

276 100

277 31.6 19.1 28.7#

138 37.6 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

