

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032016\
 Data File : BM004703.D
 Acq On : 20 Mar 2016 13:17
 Operator : UM/SJ
 Sample : MDL-03-W
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Quant Time: Mar 21 02:21:22 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	28381	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	111059	5.00	ng	-0.02
10) Acenaphthene-d10	14.47	164	52910	5.00	ng	0.00
16) Phenanthrene-d10	17.20	188	133726	5.00	ng	-0.02
22) Chrysene-d12	21.40	240	110410	5.00	ng	0.01
28) Perylene-d12	23.69	264	105367	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	44239	6.75	ng	0.00
5) Phenol-d6	6.99	99	51934	6.47	ng	0.00
7) Nitrobenzene-d5	8.99	82	17614	3.29	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	10885	6.20	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	74439	4.92	ng	0.00
24) Terphenyl-d14	19.83	244	64953	4.65	ng	-0.01

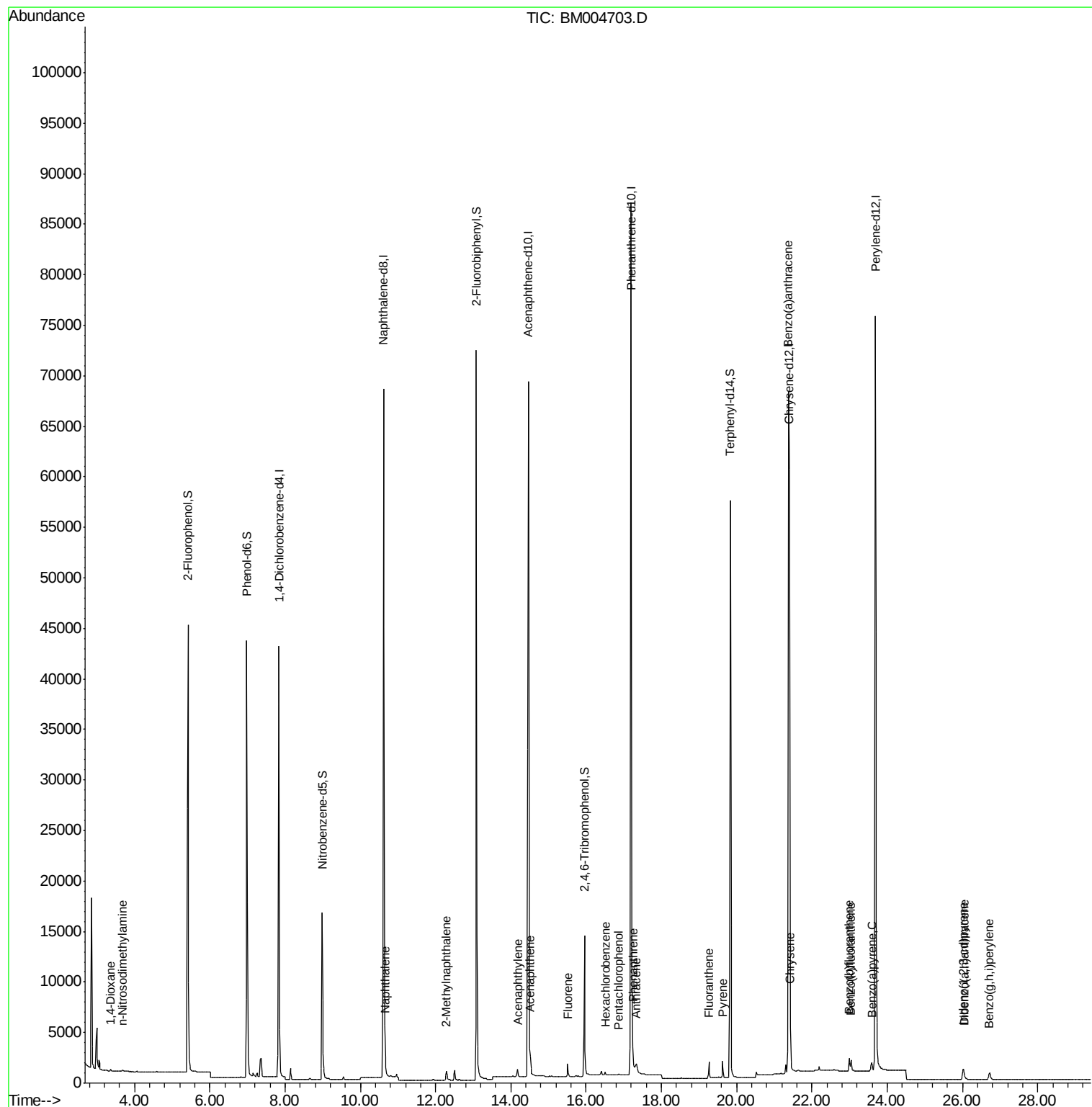
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	268	0.02	ng	# 76
3) n-Nitrosodimethylamine	3.68	42	108	0.04	ng	# 89
8) Naphthalene	10.66	128	1435	0.05	ng	# 89
9) 2-Methylnaphthalene	12.28	142	865	0.05	ng	# 85
13) Acenaphthylene	14.18	152	997	0.04	ng	99
14) Acenaphthene	14.51	154	1033	0.06	ng	92
15) Fluorene	15.51	166	971	0.05	ng	# 99
17) Hexachlorobenzene	16.51	284	293	0.04	ng	# 100
18) Pentachlorophenol	16.86	266	129	0.15	ng	# 76
19) Phenanthrene	17.25	178	1797	0.03	ng	# 93
20) Anthracene	17.32	178	1282	0.03	ng	98
21) Fluoranthene	19.27	202	1729	0.03	ng	99
23) Pyrene	19.63	202	1834	0.05	ng	98
25) Benzo(a)anthracene	21.38	228	1871	0.04	ng	# 85
26) Chrysene	21.42	228	2001m	0.06	ng	
27) Indeno(1,2,3-cd)pyrene	26.02	276	1549	0.04	ng	100
29) Benzo(b)fluoranthene	22.99	252	1736	0.05	ng	# 71
30) Benzo(k)fluoranthene	23.04	252	1625	0.04	ng	# 70
31) Benzo(a)pyrene	23.59	252	1395	0.04	ng	# 58
32) Dibenzo(a,h)anthracene	26.04	278	1190	0.04	ng	# 71
33) Benzo(g,h,i)perylene	26.72	276	1450	0.04	ng	# 84

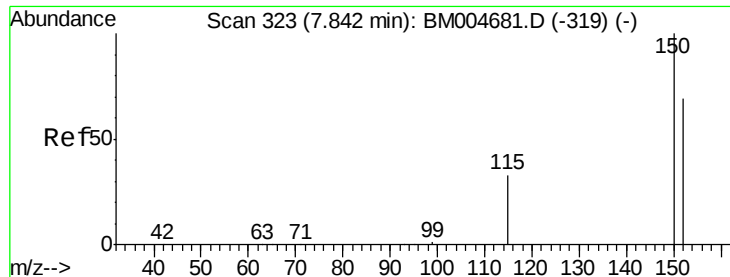
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampled :

MDL-03-W

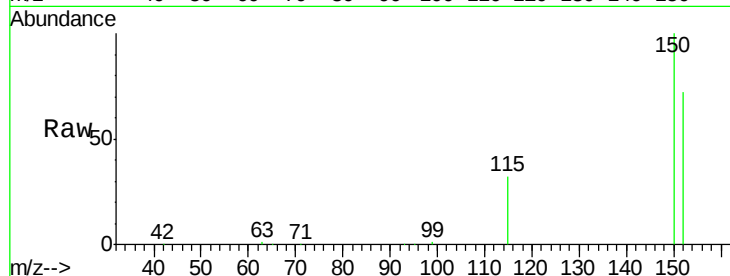
Tgt Ion:152 Resp: 28381

Ion Ratio Lower Upper

152 100

150 138.9 115.9 173.9

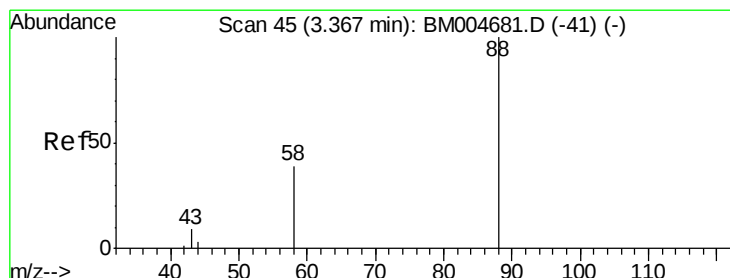
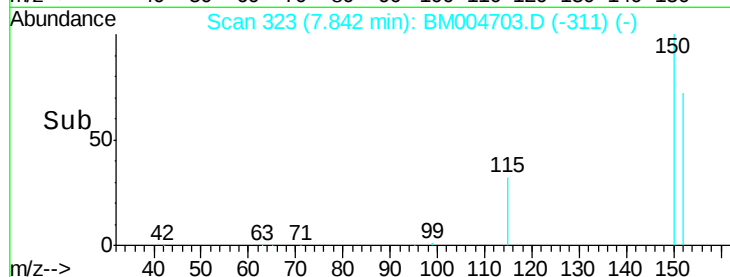
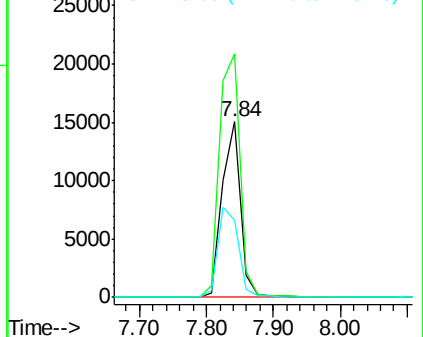
115 44.1 38.4 57.6



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: BM004703.D

Acq: 20 Mar 2016 13:17

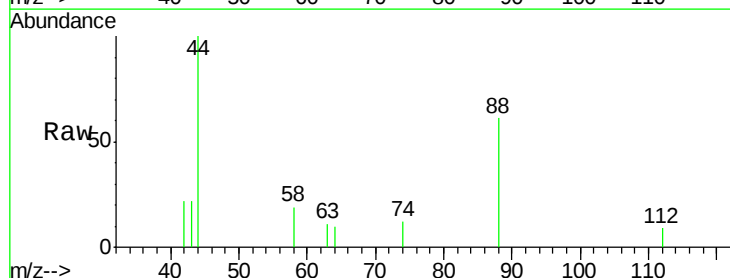
Tgt Ion: 88 Resp: 268

Ion Ratio Lower Upper

88 100

58 35.8 43.9 65.9#

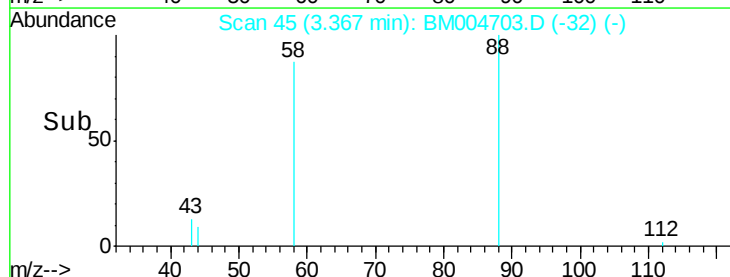
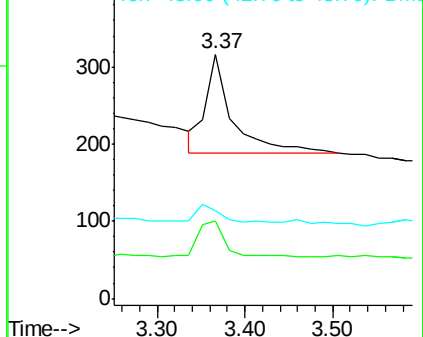
43 14.9 19.9 29.9#

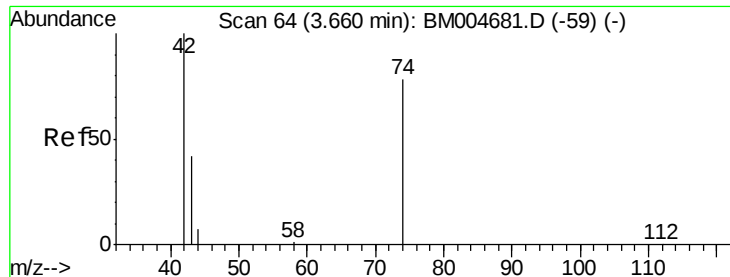


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.68 min Scan# 65

Delta R.T. 0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

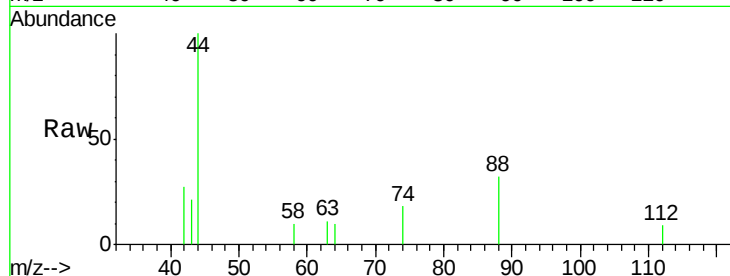
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

74 138.0 120.9 181.3

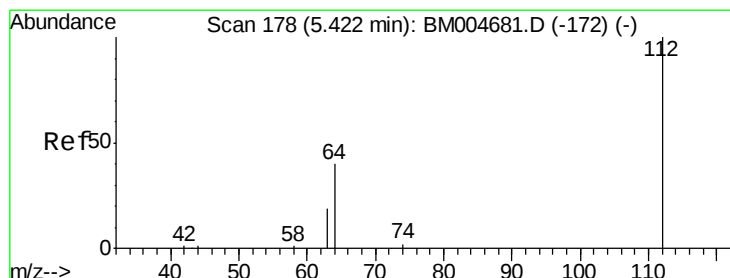
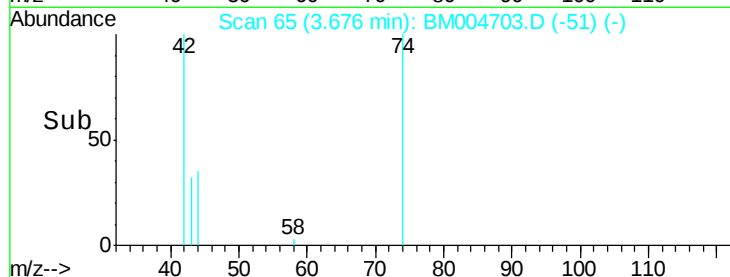
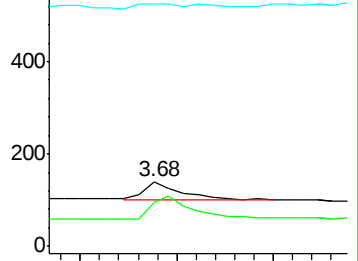
44 0.0 6.0 9.0#



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) (-)



#4

2-Fluorophenol

Concen: 6.75 ng

RT: 5.42 min Scan# 178

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

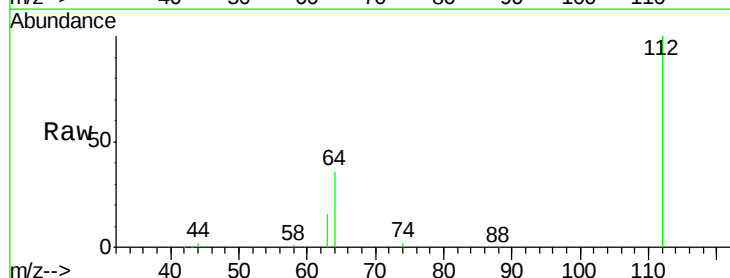
Tgt Ion: 112 Resp: 44239

Ion Ratio Lower Upper

112 100

64 46.5 37.0 55.6

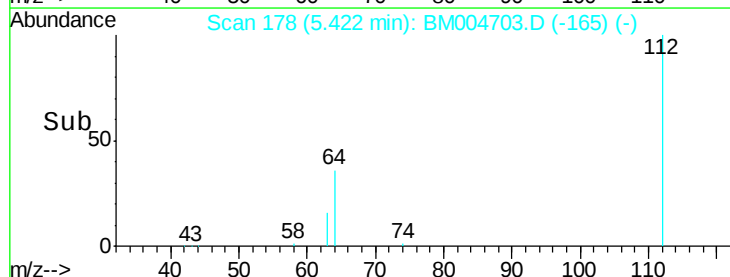
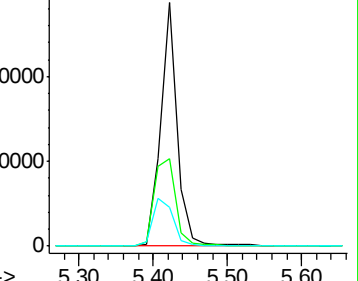
63 23.9 19.3 28.9

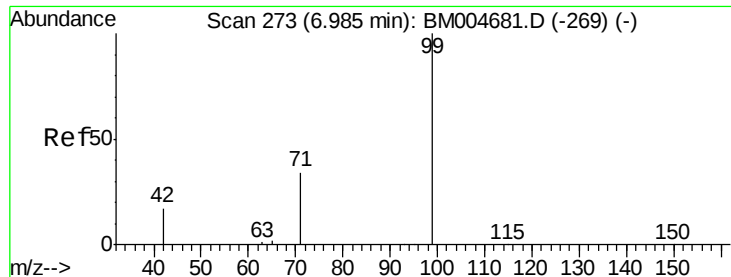


Abundance Ion 112.00 (111.70 to 112.70): BM004681.D (-172) (-)

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

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





#5

Phenol-d6

Concen: 6.47 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

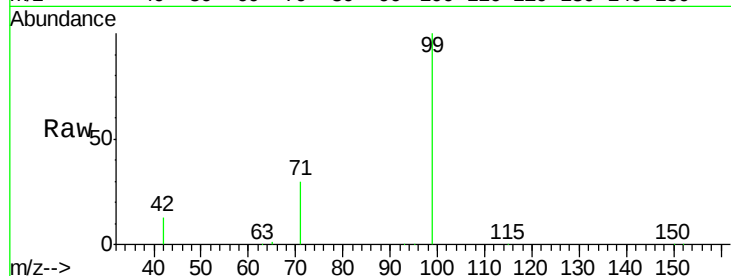
Tgt Ion: 99 Resp: 51934

Ion Ratio Lower Upper

99 100

42 14.1 12.7 19.1

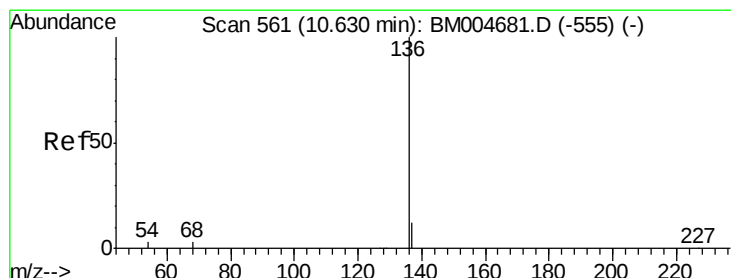
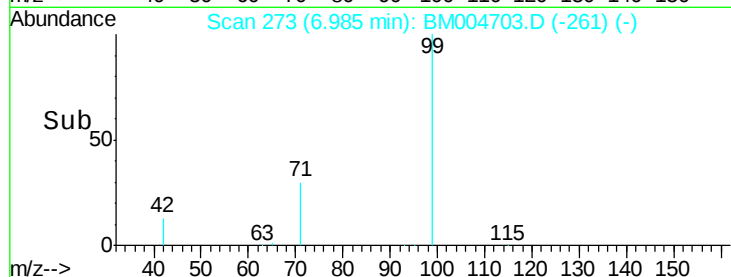
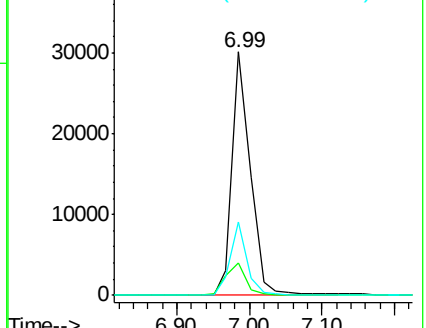
71 27.8 22.9 34.3



Abundance Ion 99.00 (98.70 to 99.70): BM004703.D (-261) (-)

Ion 42.00 (41.70 to 42.70): BM004703.D (-261) (-)

Ion 71.00 (70.70 to 71.70): BM004703.D (-261) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Tgt Ion: 136 Resp: 111059

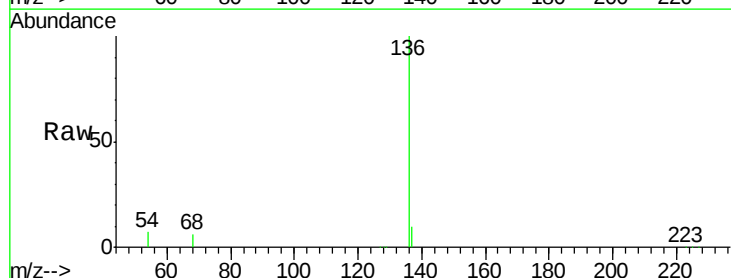
Ion Ratio Lower Upper

136 100

137 10.2 9.4 14.2

54 6.7 2.2 3.4#

68 5.7 2.2 3.4#

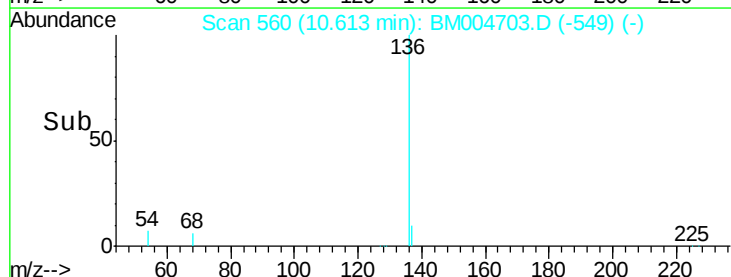
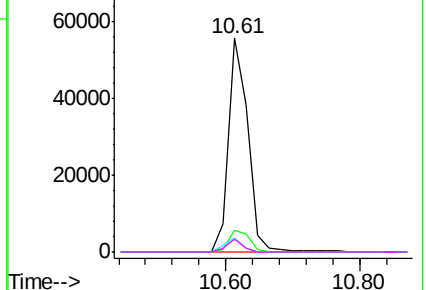


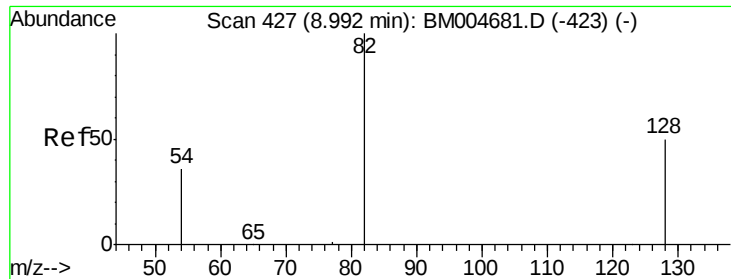
Abundance Ion 136.00 (135.70 to 136.70): BM004703.D (-549) (-)

Ion 137.00 (136.70 to 137.70): BM004703.D (-549) (-)

Ion 54.00 (53.70 to 54.70): BM004703.D (-549) (-)

Ion 68.00 (67.70 to 68.70): BM004703.D (-549) (-)





#7

Nitrobenzene-d5

Concen: 3.29 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

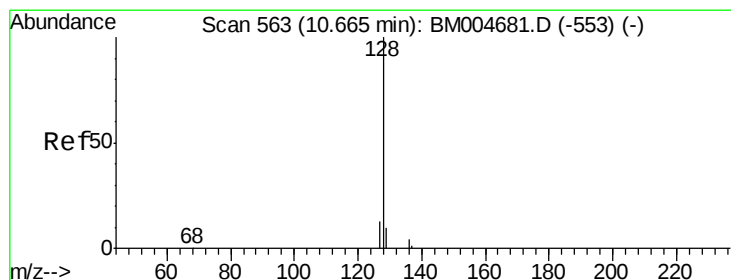
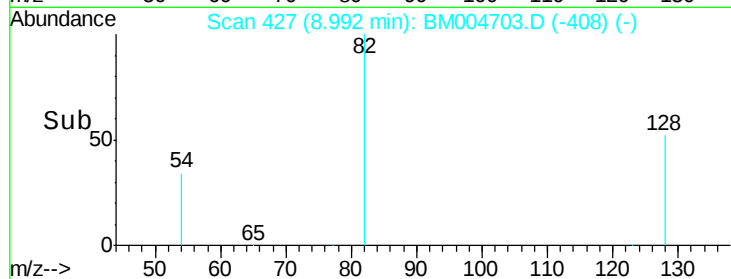
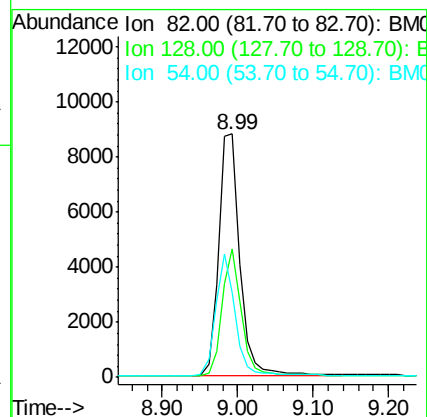
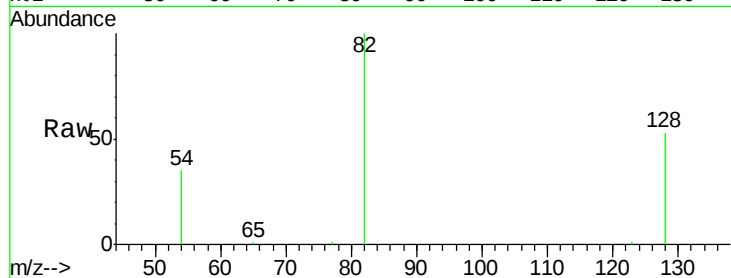
Tgt Ion: 82 Resp: 17614

Ion Ratio Lower Upper

82 100

128 52.7 41.8 62.8

54 34.7 32.9 49.3



#8

Naphthalene

Concen: 0.05 ng

RT: 10.66 min Scan# 563

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

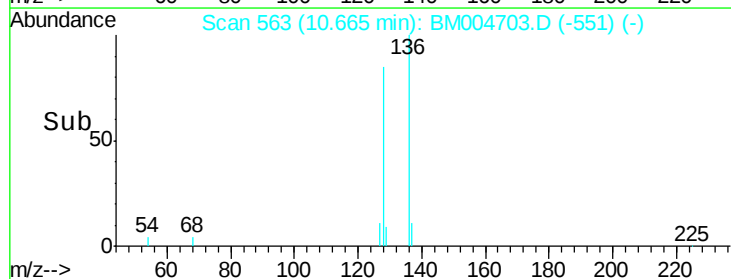
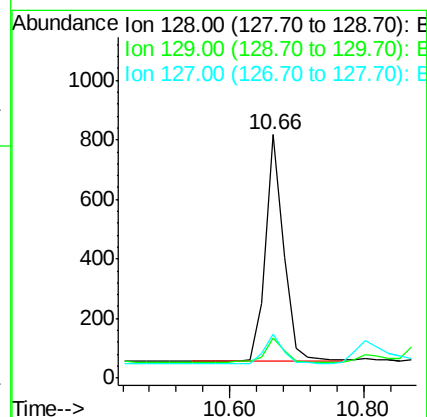
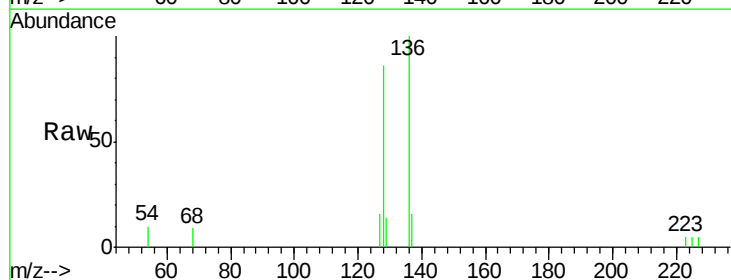
Tgt Ion: 128 Resp: 1435

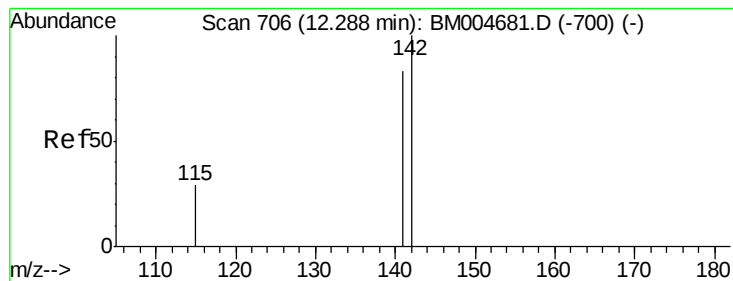
Ion Ratio Lower Upper

128 100

129 16.3 8.9 13.3#

127 18.0 11.3 16.9#





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.28 min Scan# 705

Delta R.T. -0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

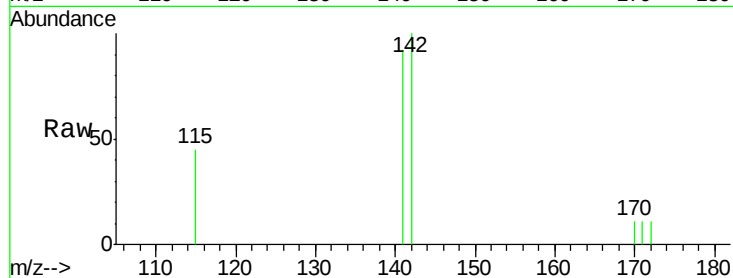
Tgt Ion:142 Resp: 865

Ion Ratio Lower Upper

142 100

141 92.2 66.2 99.2

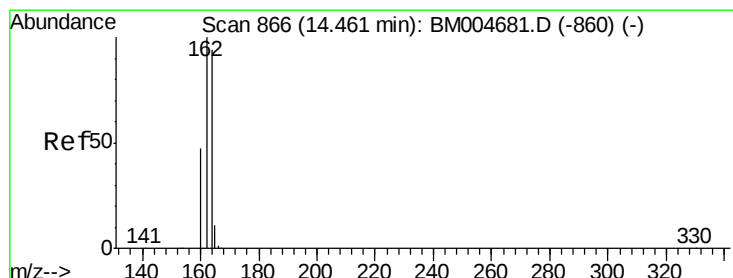
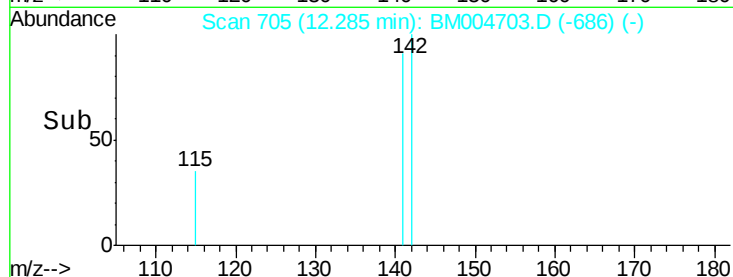
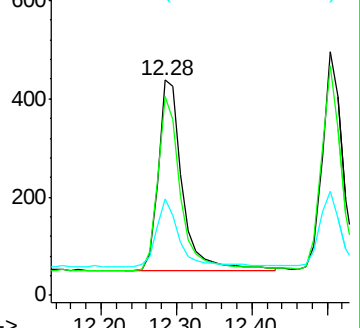
115 44.7 23.8 35.8#



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



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.47 min Scan# 866

Delta R.T. 0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

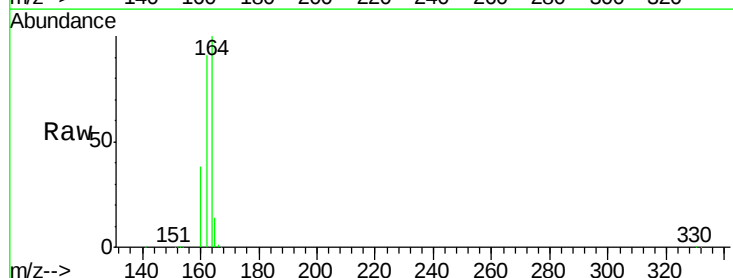
Tgt Ion:164 Resp: 52910

Ion Ratio Lower Upper

164 100

162 90.8 85.4 128.0

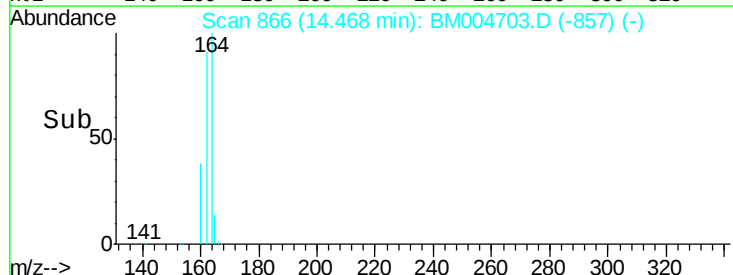
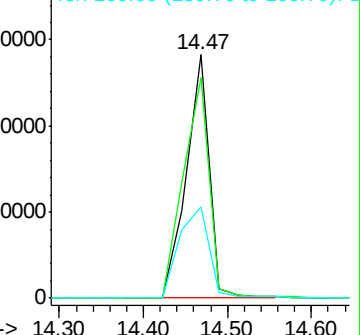
160 37.7 40.2 60.2#

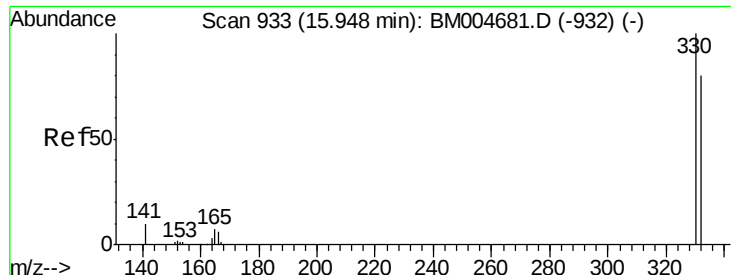


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

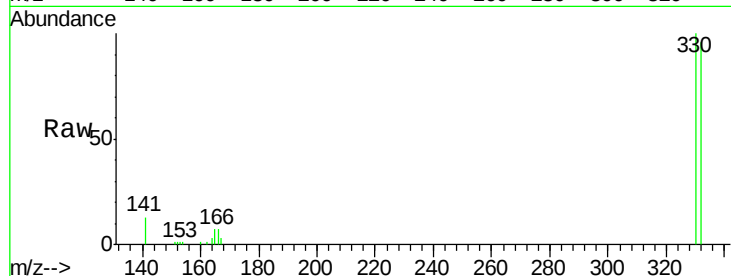




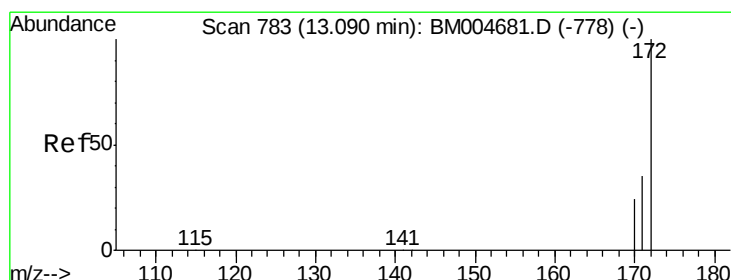
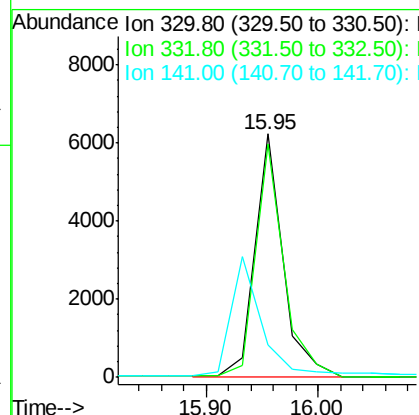
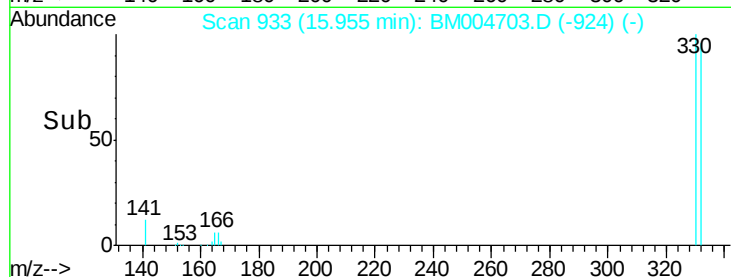
#11
 2,4,6-Tribromophenol
 Concen: 6.20 ng
 RT: 15.95 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Tgt Ion:330 Resp: 10885
 Ion Ratio Lower Upper
 330 100
 332 96.4 93.9 140.9
 141 0.0 42.2 63.2#

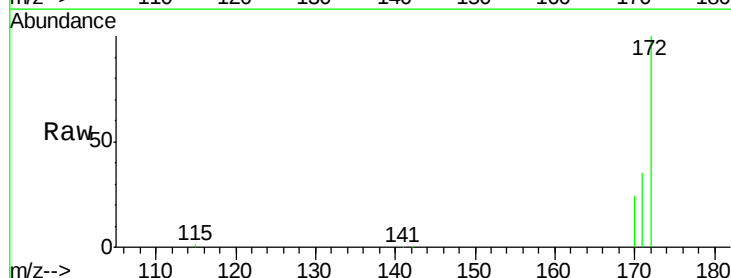


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

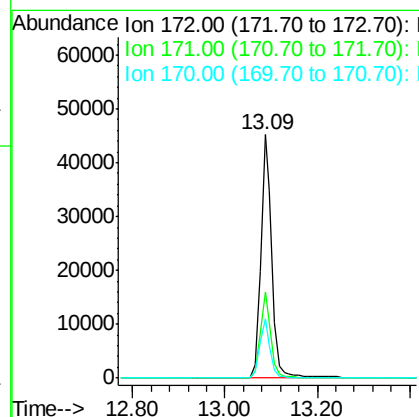
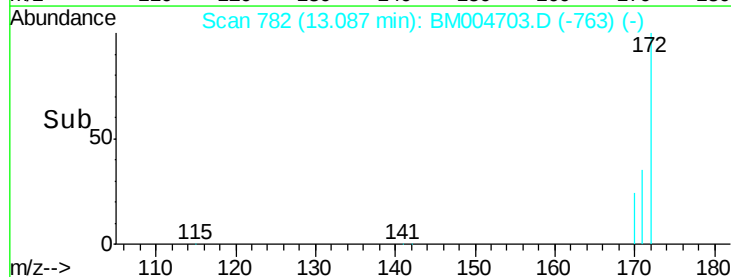


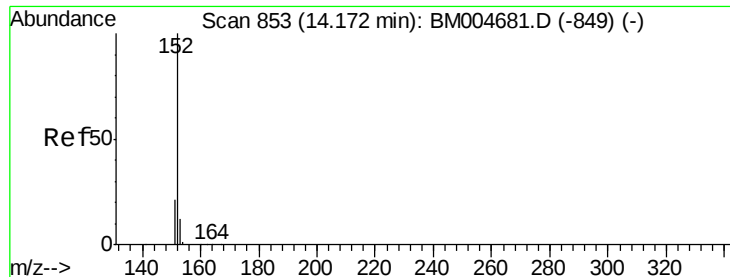
#12
 2-Fluorobiphenyl
 Concen: 4.92 ng
 RT: 13.09 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

Tgt Ion:172 Resp: 74439
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.2
 170 24.2 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: 14.18 min Scan# 853

Delta R.T. 0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

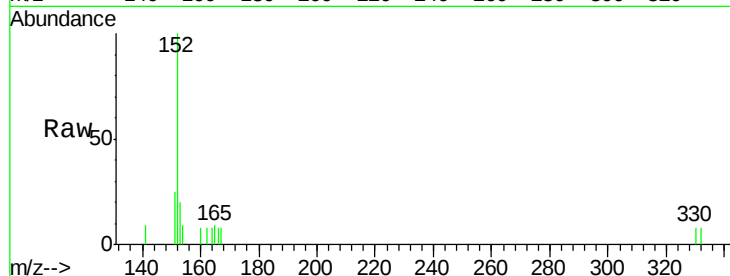
BNA_M

ClientSampleId :

MDL-03-W

Tgt Ion:152 Resp: 997

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	13.3	10.2	15.2

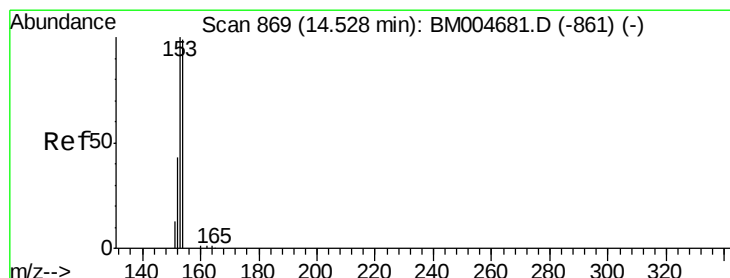
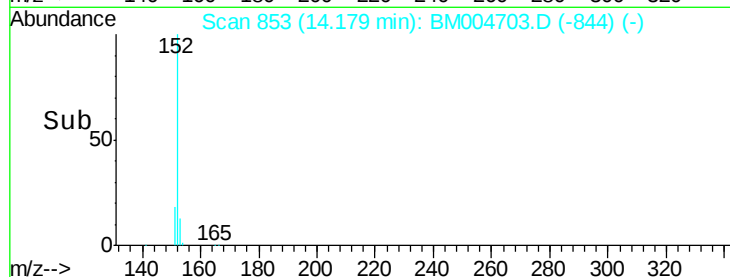


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



#14

Acenaphthene

Concen: 0.06 ng

RT: 14.51 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Tgt Ion:154 Resp: 1033

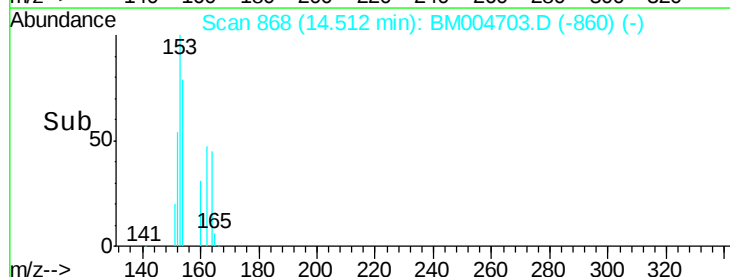
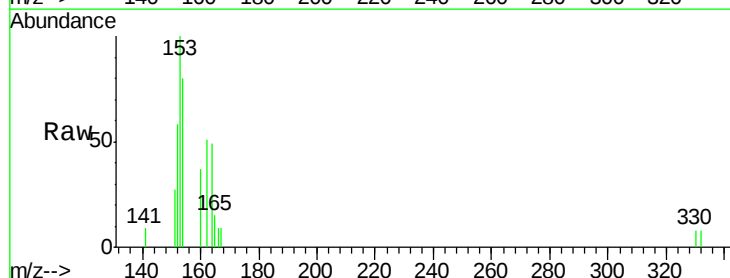
Ion	Ratio	Lower	Upper
154	100		
153	94.4	83.8	125.6
152	48.2	40.3	60.5

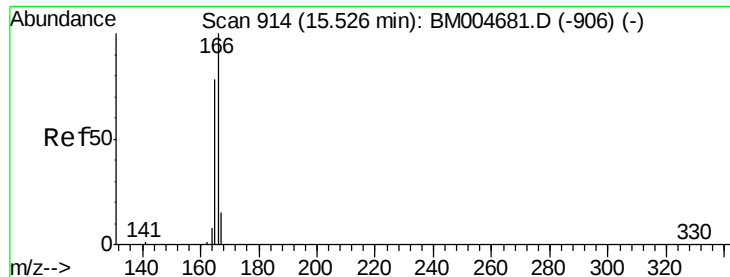
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->





#15

Fluorene

Concen: 0.05 ng

RT: 15.51 min Scan# 913

Delta R.T. -0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

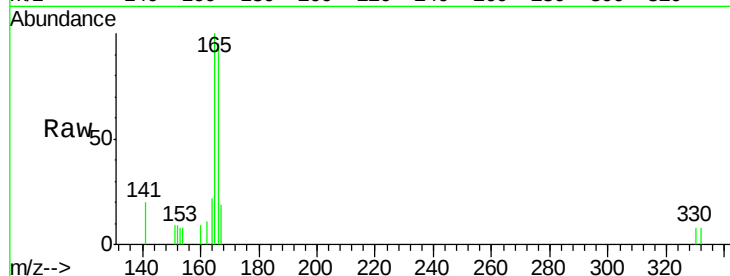
Tgt Ion:166 Resp: 971

Ion Ratio Lower Upper

166 100

165 99.7 0.0 0.0#

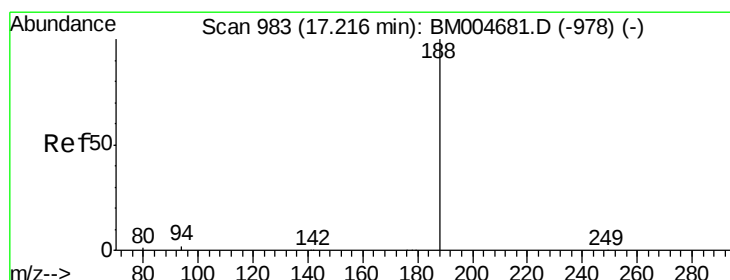
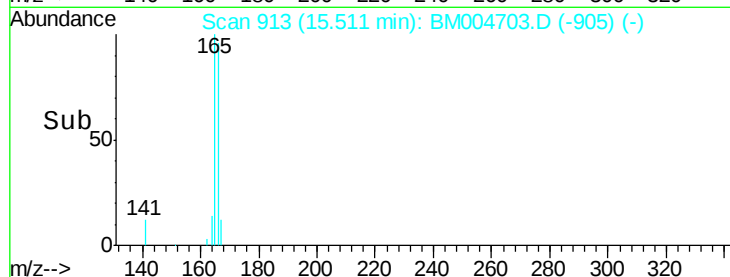
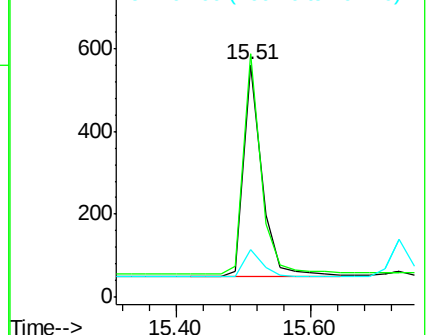
167 13.6 10.6 15.8



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: 17.20 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

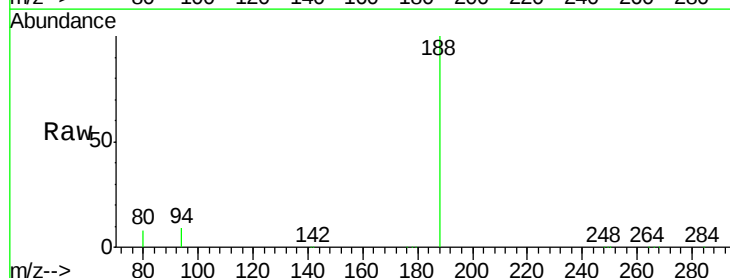
Tgt Ion:188 Resp: 133726

Ion Ratio Lower Upper

188 100

94 8.9 1.4 2.0#

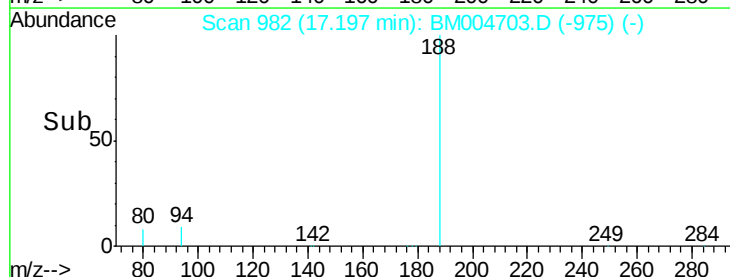
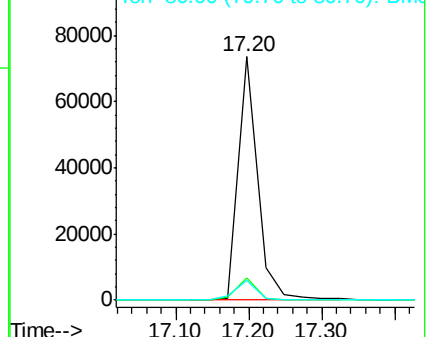
80 8.2 1.0 1.6#

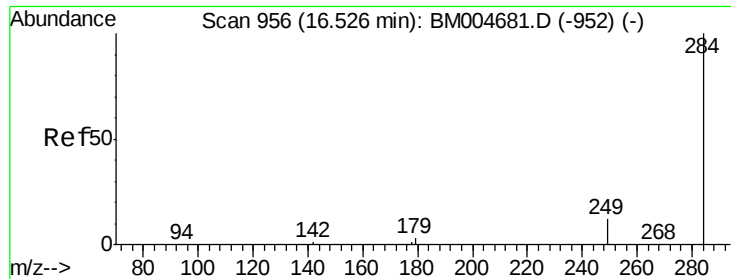


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

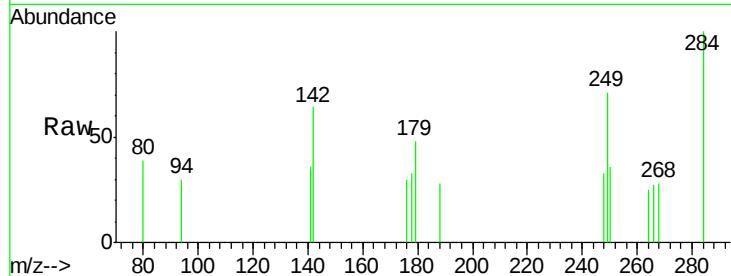




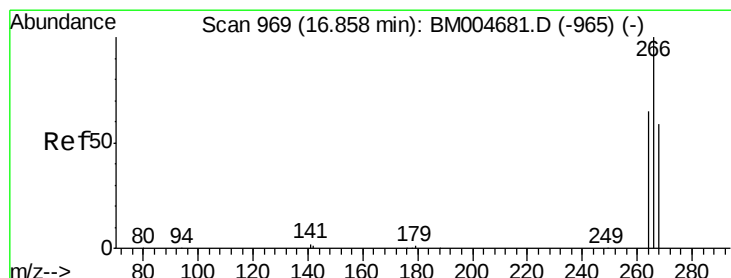
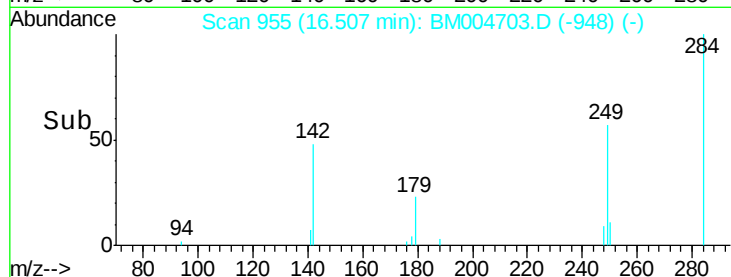
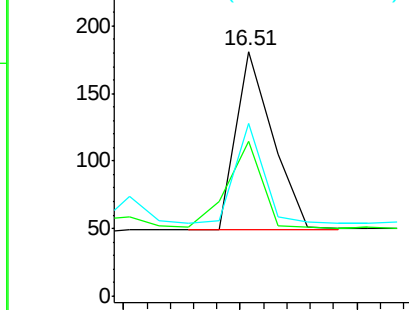
#17
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.51 min Scan# 955
Delta R.T. -0.02 min
Lab File: BM004703.D
Acq: 20 Mar 2016 13:17

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Tgt Ion: 284 Resp: 293
Ion Ratio Lower Upper
284 100
142 46.1 0.0 0.0#
249 44.4 0.0 0.0#

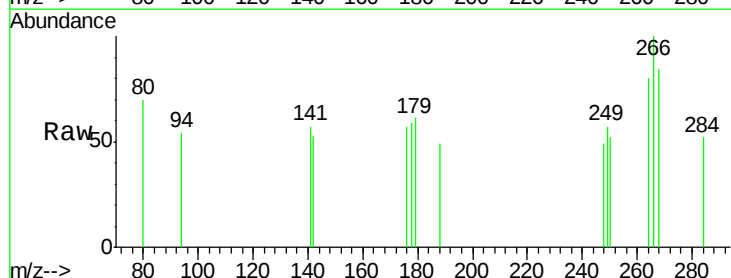


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

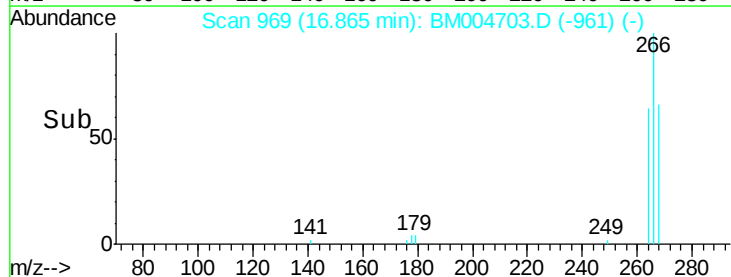
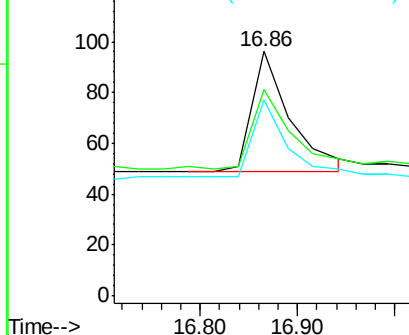


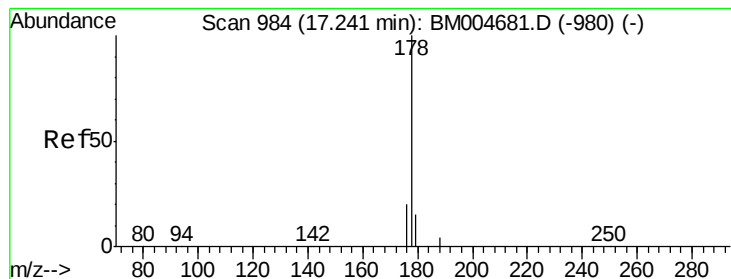
#18
Pentachlorophenol
Concen: 0.15 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.01 min
Lab File: BM004703.D
Acq: 20 Mar 2016 13:17

Tgt Ion: 266 Resp: 129
Ion Ratio Lower Upper
266 100
268 84.4 49.1 73.7#
264 80.2 52.9 79.3#



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





#19

Phenanthrene

Concen: 0.03 ng

RT: 17.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

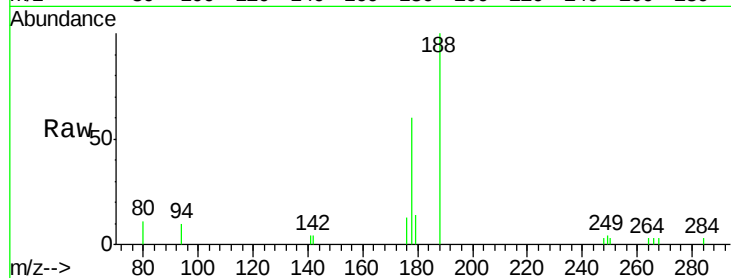
Tgt Ion:178 Resp: 1797

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

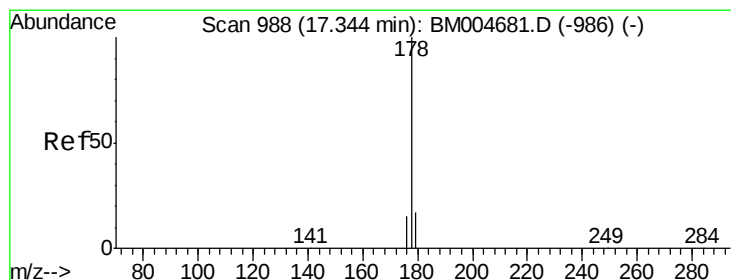
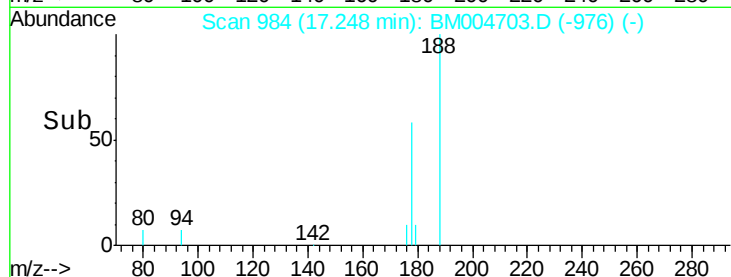
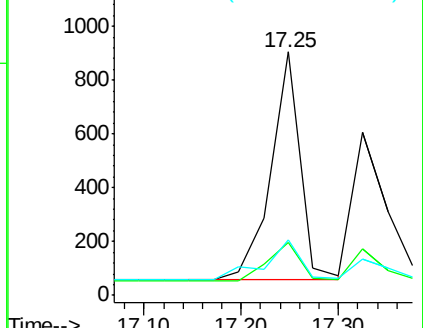
179 21.1 12.2 18.4#



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: 0.03 ng

RT: 17.32 min Scan# 987

Delta R.T. -0.02 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

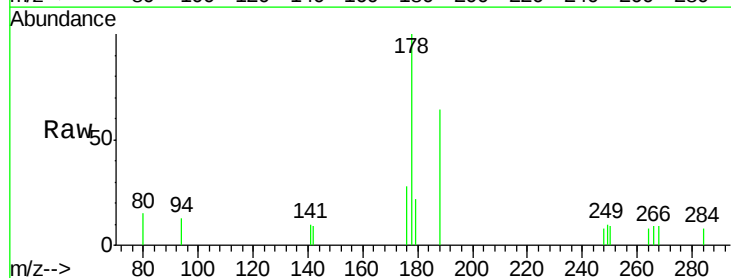
Tgt Ion:178 Resp: 1282

Ion Ratio Lower Upper

178 100

176 18.9 14.5 21.7

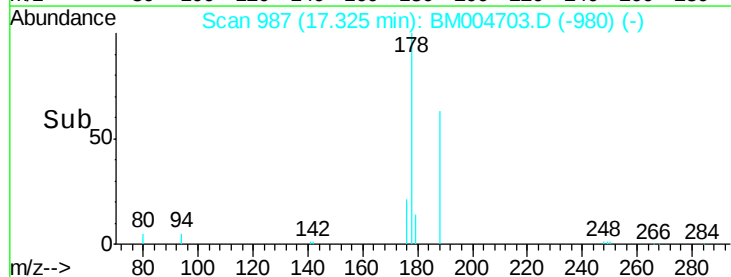
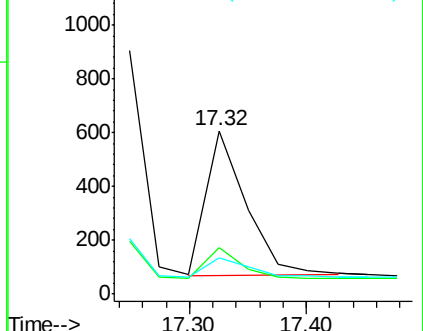
179 14.7 12.6 18.8

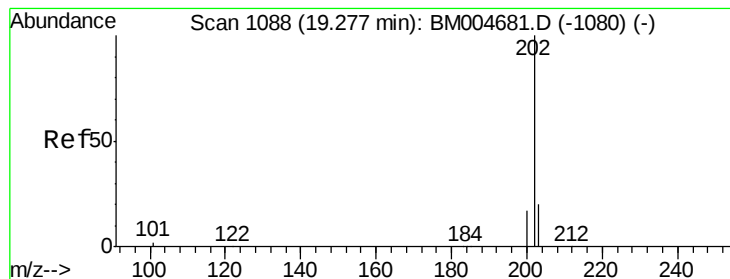


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#21

Fluoranthene

Concen: 0.03 ng

RT: 19.27 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

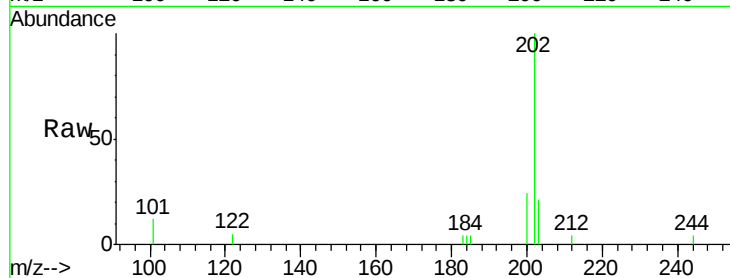
Tgt Ion:202 Resp: 1729

Ion Ratio Lower Upper

202 100

101 10.6 8.7 13.1

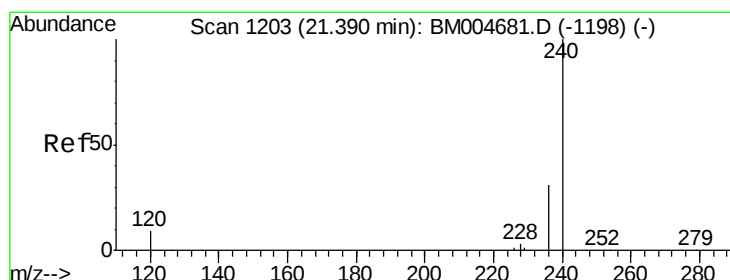
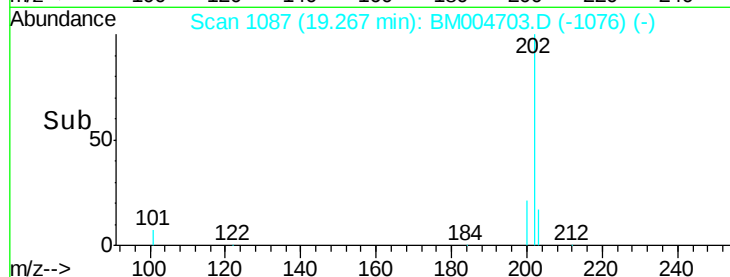
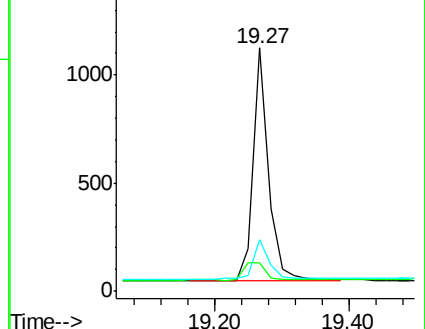
203 18.0 14.1 21.1



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: 21.40 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

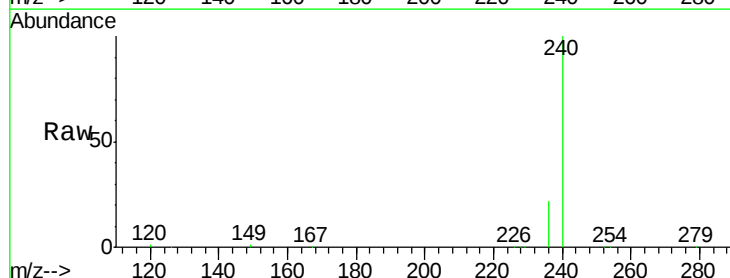
Tgt Ion:240 Resp: 110410

Ion Ratio Lower Upper

240 100

120 1.5 7.4 11.2#

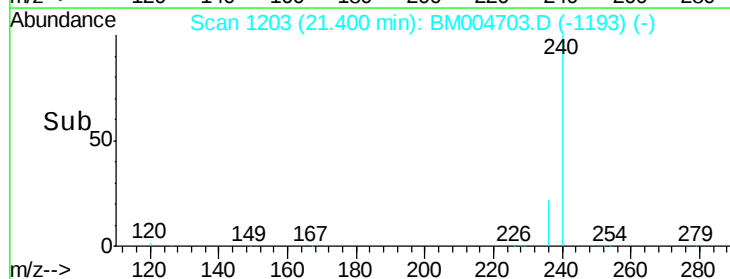
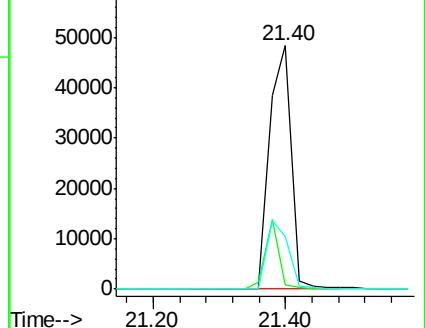
236 22.0 24.5 36.7#

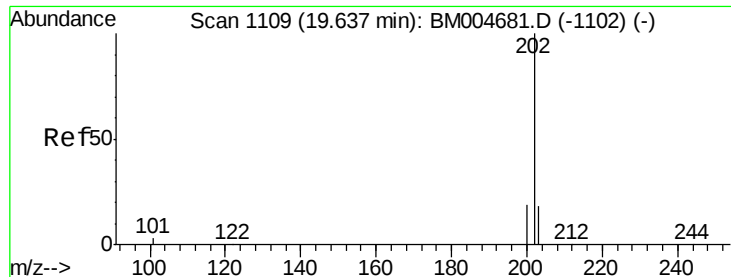


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

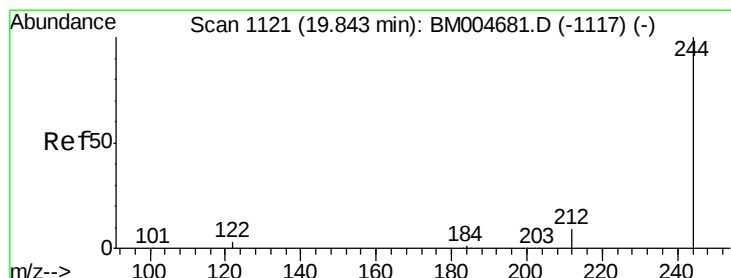
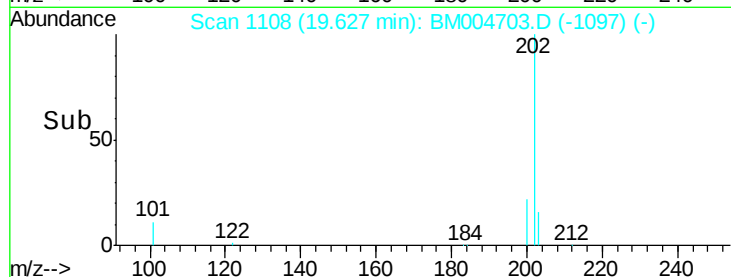
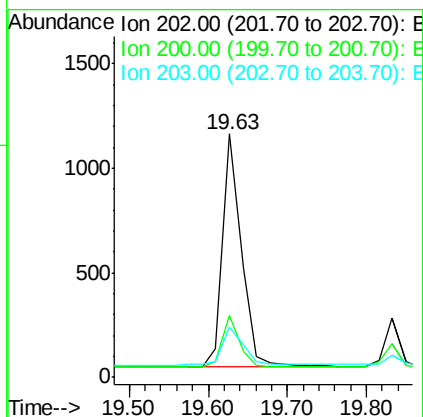
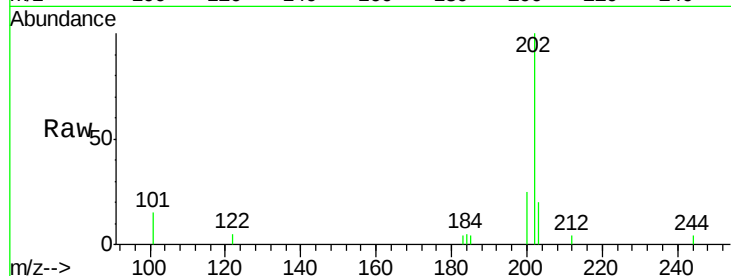




#23
 Pyrene
 Concen: 0.05 ng
 RT: 19.63 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

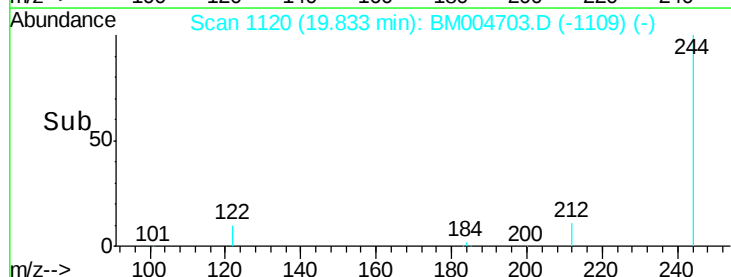
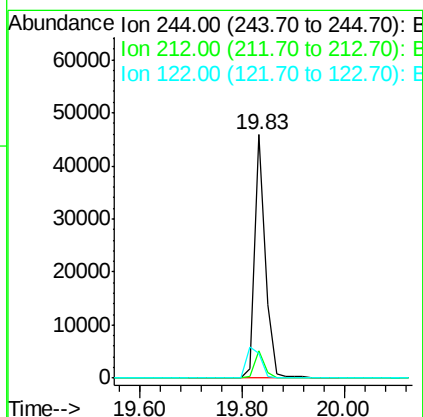
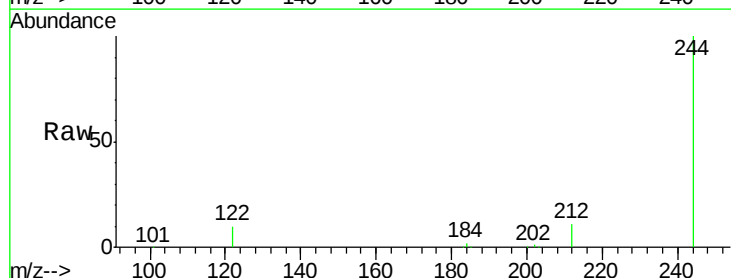
Instrument :
 BNA_M
 ClientSampleID :
 MDL-03-W

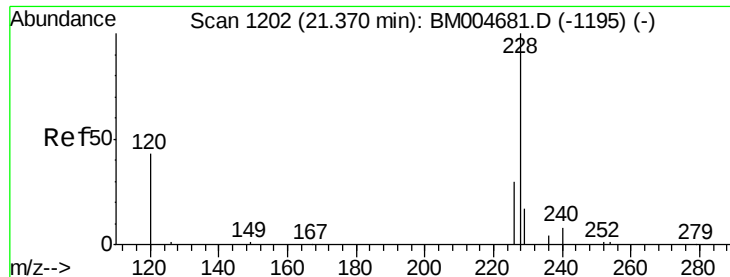
Tgt Ion: 202 Resp: 1834
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 19.1 13.9 20.9



#24
 Terphenyl-d14
 Concen: 4.65 ng
 RT: 19.83 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

Tgt Ion: 244 Resp: 64953
 Ion Ratio Lower Upper
 244 100
 212 11.0 7.7 11.5
 122 10.4 3.4 5.0#





#25

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

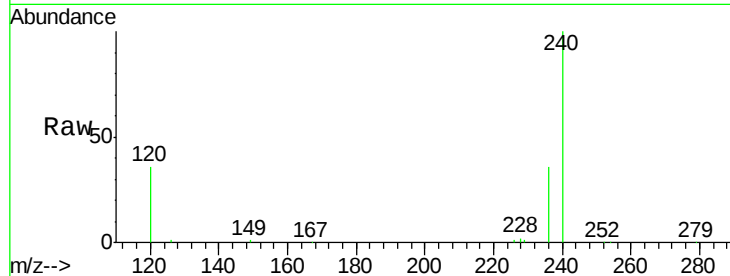
Tgt Ion:228 Resp: 1871

Ion Ratio Lower Upper

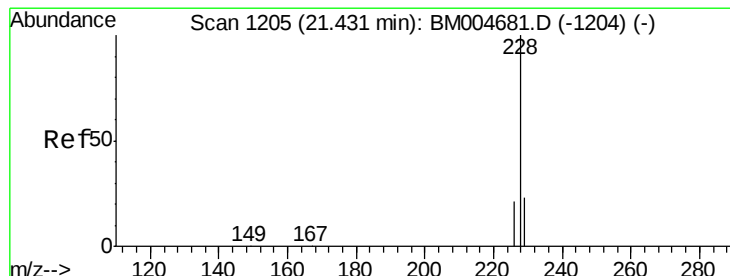
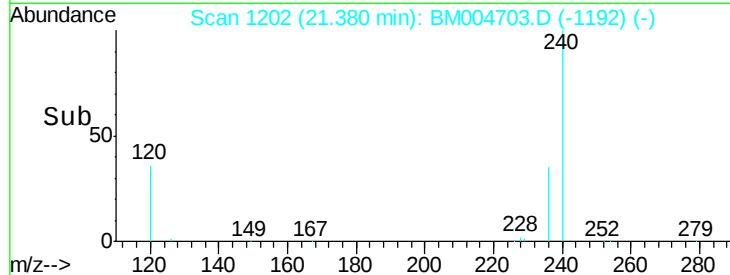
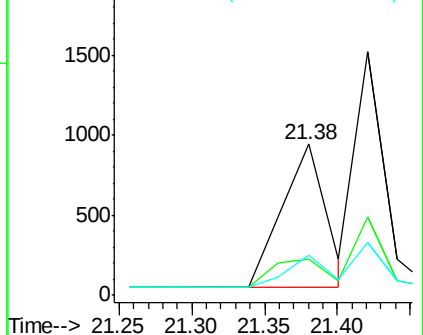
228 100

226 23.8 24.2 36.2#

229 26.7 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: 0.06 ng m

RT: 21.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

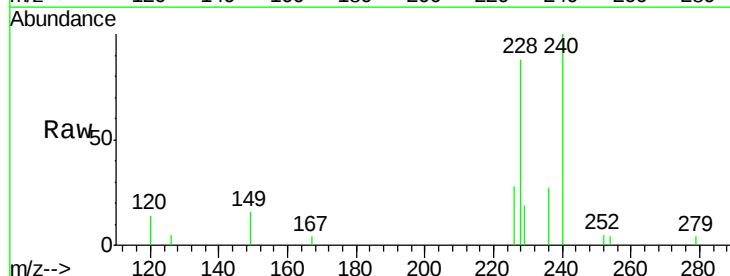
Tgt Ion:228 Resp: 2001

Ion Ratio Lower Upper

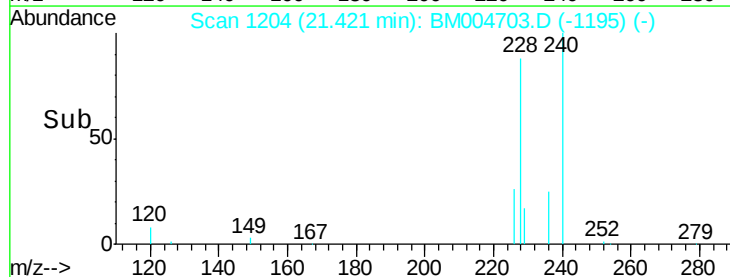
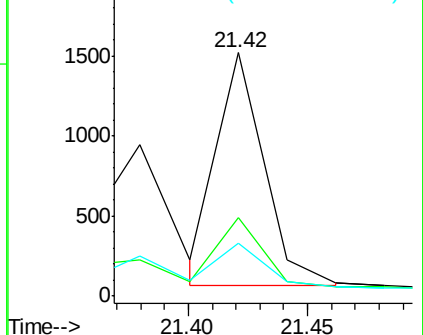
228 100

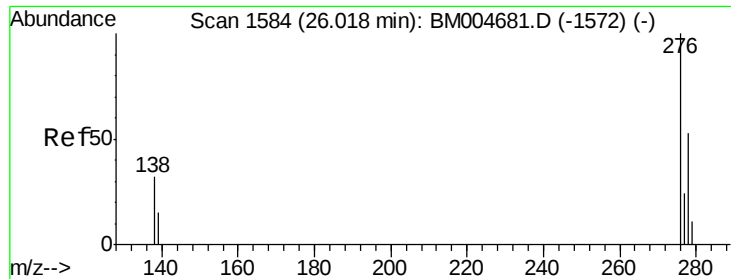
226 32.0 20.9 31.3#

229 21.5 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

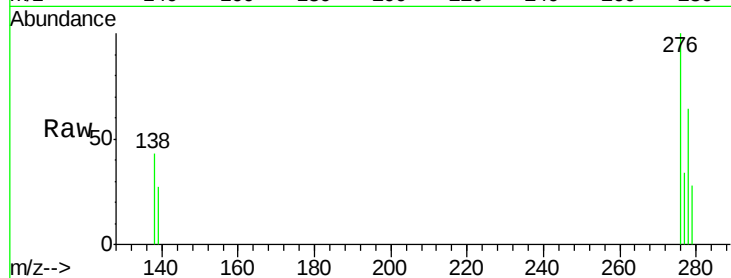




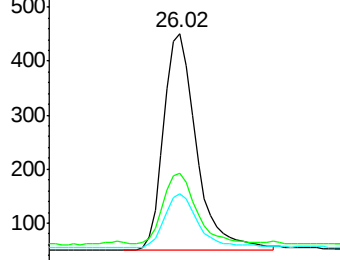
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 26.02 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

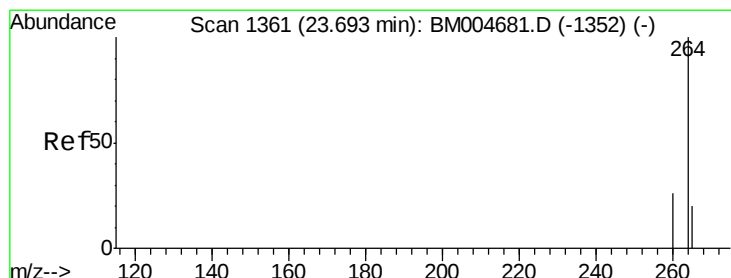
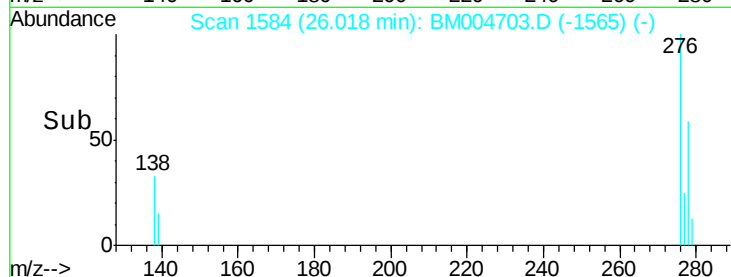
Tgt Ion: 276 Resp: 1549
 Ion Ratio Lower Upper
 276 100
 138 32.3 25.9 38.9
 277 25.0 19.8 29.6



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

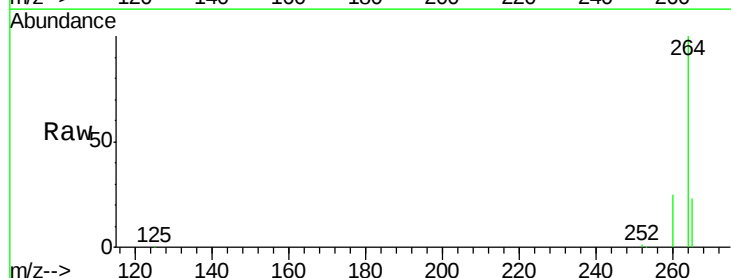


Time--> 25.80 26.00 26.20

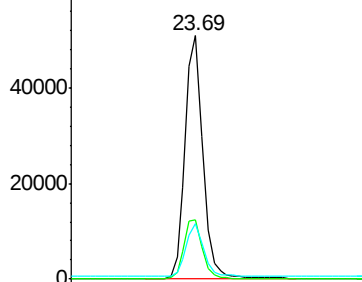


#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004703.D
 Acq: 20 Mar 2016 13:17

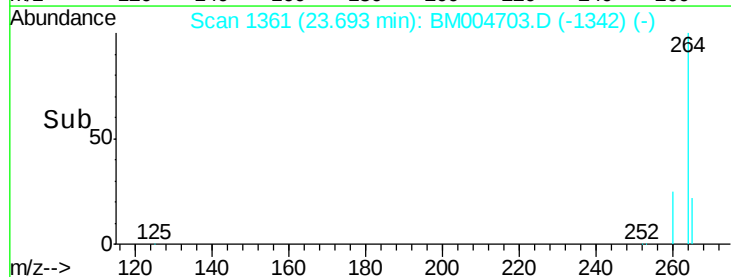
Tgt Ion: 264 Resp: 105367
 Ion Ratio Lower Upper
 264 100
 260 24.6 21.0 31.4
 265 22.9 17.5 26.3

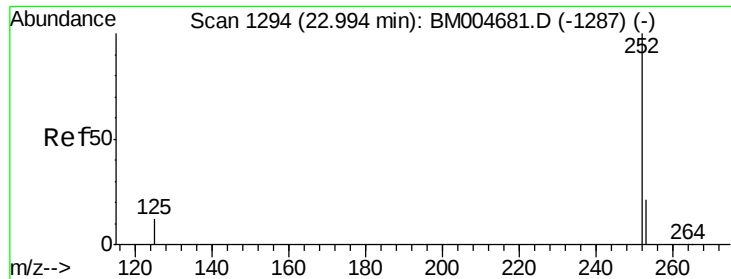


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time--> 23.60 23.80





#29

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.99 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

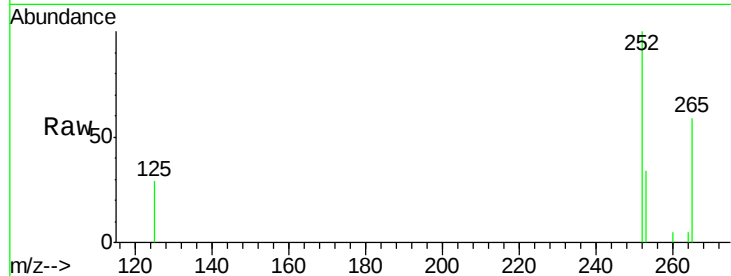
Tgt Ion:252 Resp: 1736

Ion Ratio Lower Upper

252 100

253 34.3 17.9 26.9#

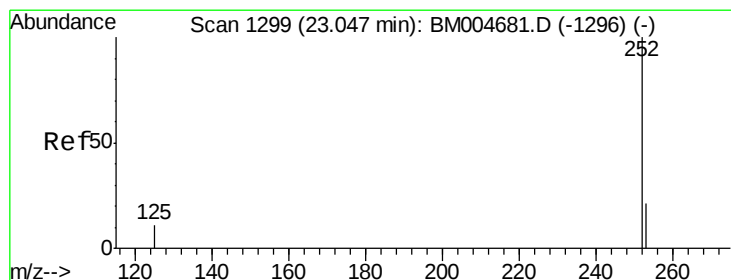
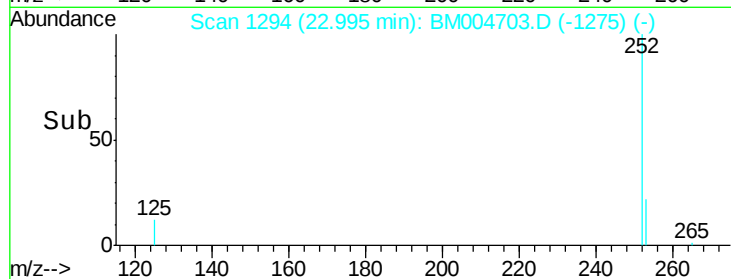
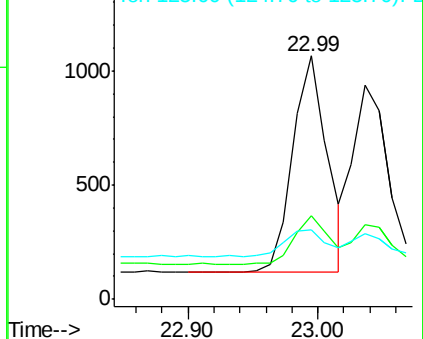
125 28.7 11.4 17.0#



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



#30

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.04 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

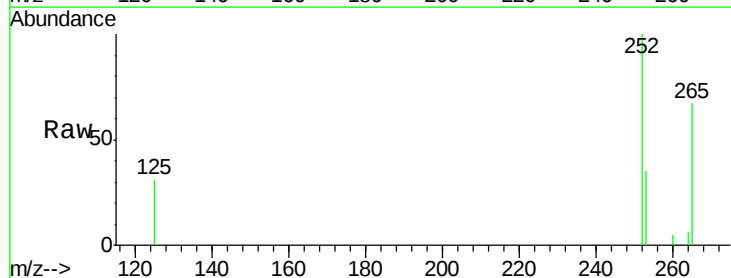
Tgt Ion:252 Resp: 1625

Ion Ratio Lower Upper

252 100

253 34.9 19.3 28.9#

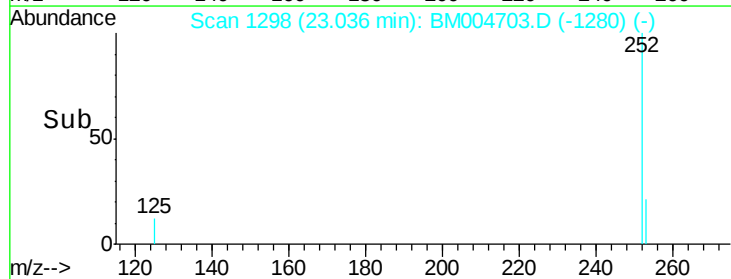
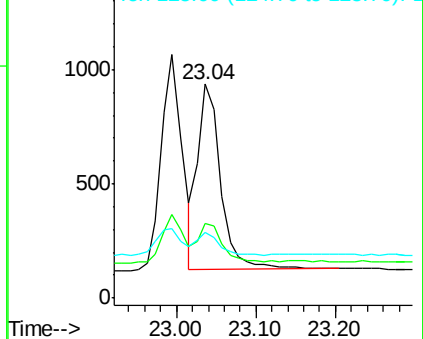
125 30.8 10.6 15.8#

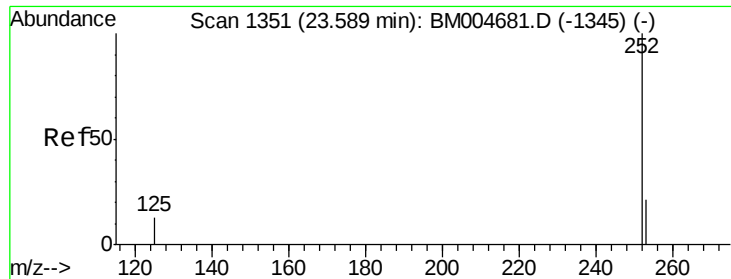


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.59 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

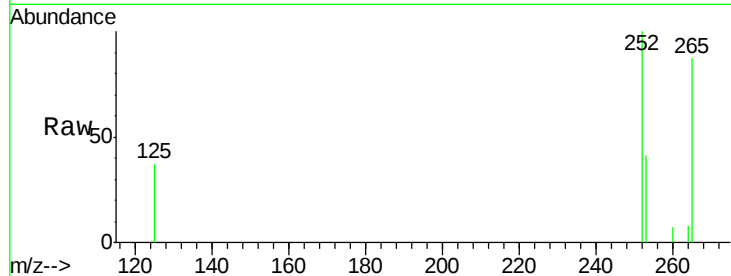
Tgt Ion: 252 Resp: 1395

Ion Ratio Lower Upper

252 100

253 40.8 18.6 28.0#

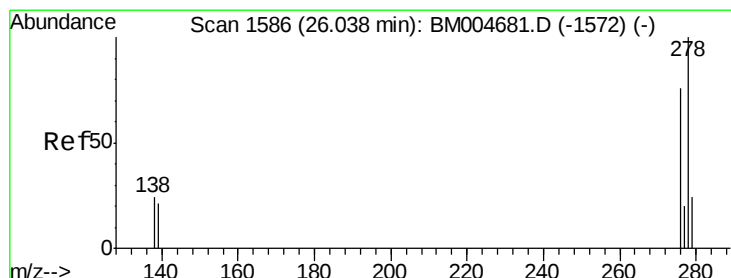
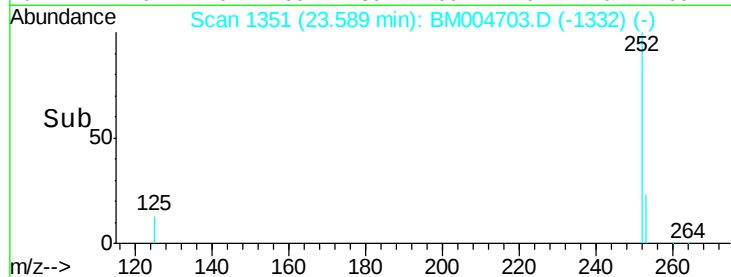
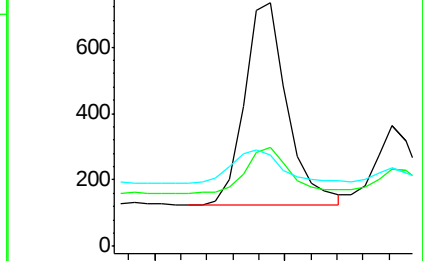
125 37.2 12.3 18.5#



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: 0.04 ng

RT: 26.04 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BM004703.D

Acq: 20 Mar 2016 13:17

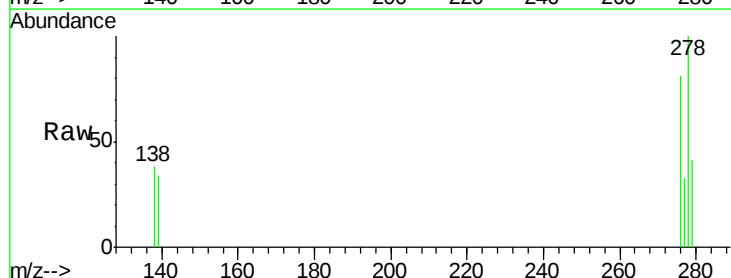
Tgt Ion: 278 Resp: 1190

Ion Ratio Lower Upper

278 100

139 34.3 17.6 26.4#

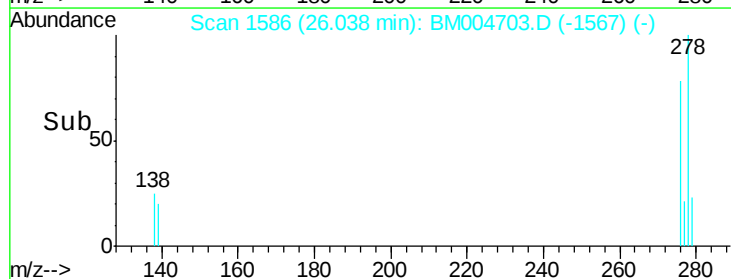
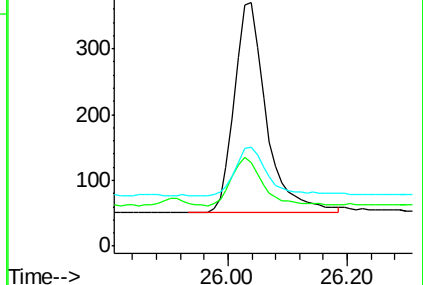
279 40.8 19.9 29.9#

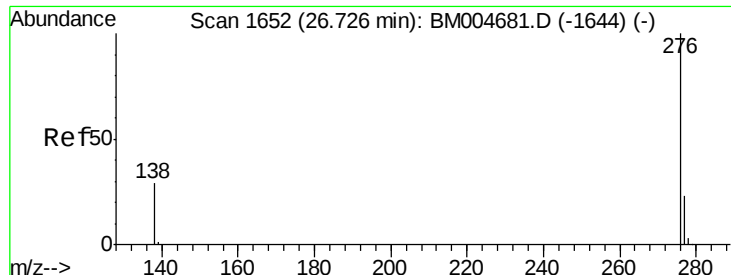


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.04 ng

RT: 26.72 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BM004703.D

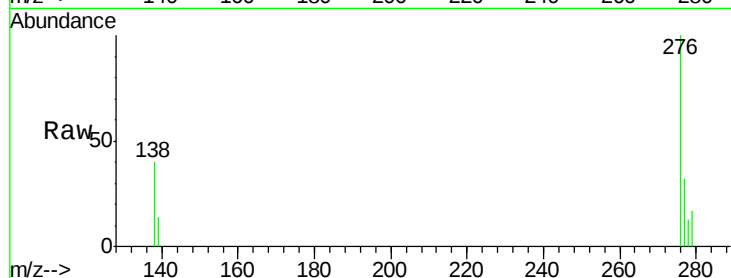
Acq: 20 Mar 2016 13:17

Instrument :

BNA_M

ClientSampleId :

MDL-03-W



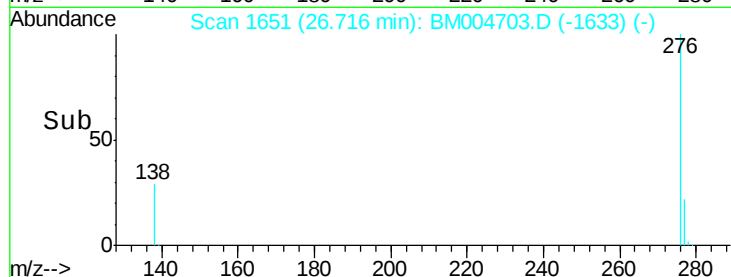
Tgt Ion: 276 Resp: 1450

Ion Ratio Lower Upper

276 100

277 32.1 19.1 28.7#

138 39.6 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

26.72

400

300

200

100

0

Time--> 26.60 26.80