

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032016\
 Data File : BM004708.D
 Acq On : 20 Mar 2016 16:16
 Operator : UM/SJ
 Sample : MDL-BL-W
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-W

Quant Time: Mar 21 02:00:10 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	36194	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	141667	5.00	ng	-0.02
10) Acenaphthene-d10	14.46	164	71733	5.00	ng	0.00
16) Phenanthrene-d10	17.19	188	137639	5.00	ng	-0.03
22) Chrysene-d12	21.39	240	149272	5.00	ng	0.00
28) Perylene-d12	23.69	264	125409	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	55658	6.66	ng	0.00
5) Phenol-d6	6.99	99	66433	6.49	ng	0.00
7) Nitrobenzene-d5	8.99	82	22180	3.25	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	12171	5.12	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	94277	4.59	ng	0.00
24) Terphenyl-d14	19.84	244	76641	4.06	ng	0.00

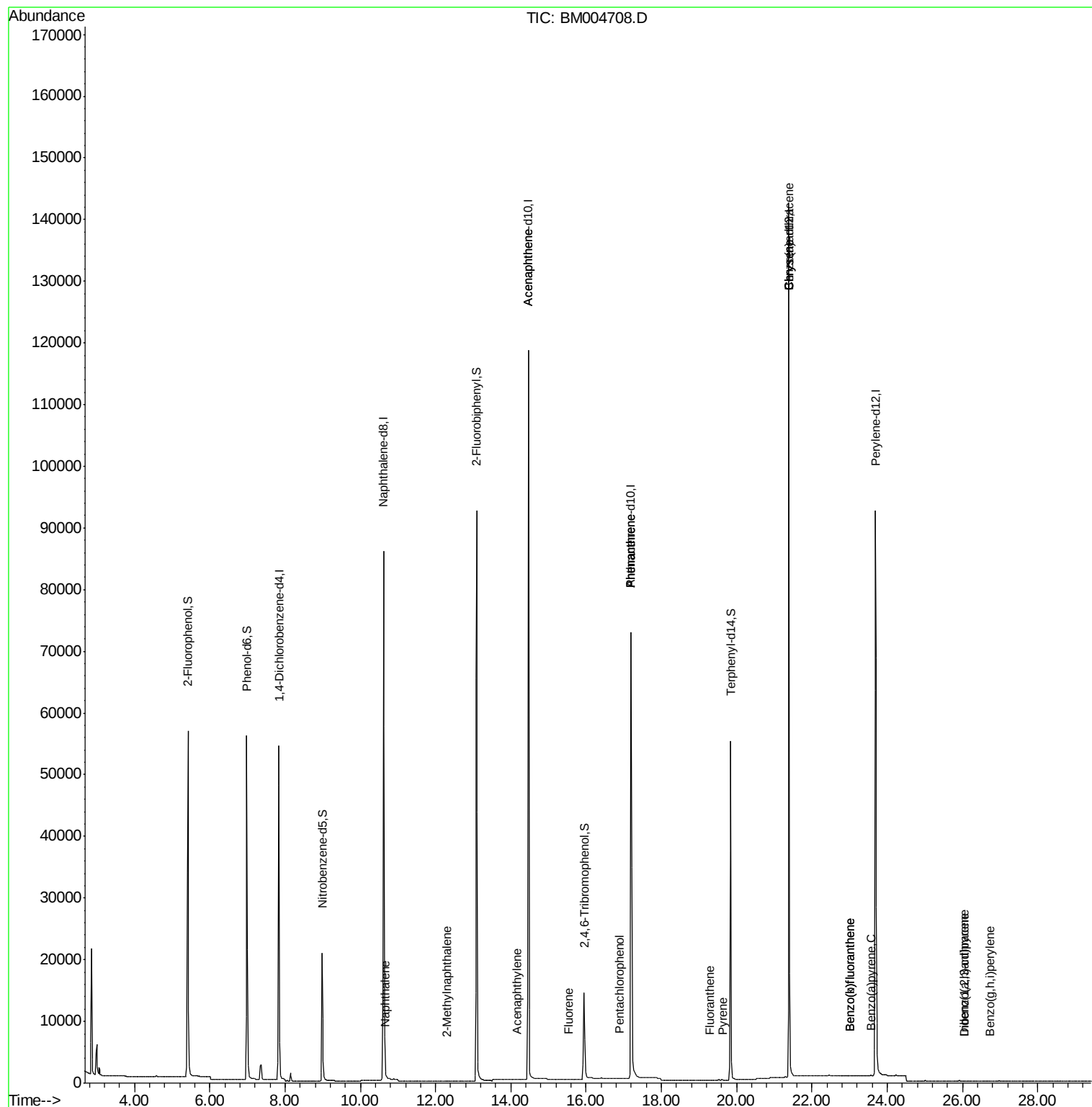
Target Compounds						Qvalue
8) Naphthalene	10.66	128	45	0.00	ng	# 1
9) 2-Methylnaphthalene	12.30	142	17	0.00	ng	# 45
13) Acenaphthylene	14.17	152	11	0.00	ng	# 9
14) Acenaphthene	14.46	154	297	0.01	ng	# 15
15) Fluorene	15.53	166	5	0.00	ng	# 67
18) Pentachlorophenol	16.88	266	25	0.13	ng	# 59
19) Phenanthrene	17.19	178	103	0.00	ng	# 60
20) Anthracene	17.19	178	123	0.00	ng	# 61
21) Fluoranthene	19.28	202	16	0.00	ng	# 25
23) Pyrene	19.64	202	19	0.00	ng	# 28
25) Benzo(a)anthracene	21.39	228	525	0.01	ng	# 71
26) Chrysene	21.39	228	535	0.01	ng	# 78
27) Indeno(1,2,3-cd)pyrene	26.04	276	58	0.00	ng	# 76
29) Benzo(b)fluoranthene	23.00	252	78	0.00	ng	# 1
30) Benzo(k)fluoranthene	23.00	252	78	0.00	ng	# 1
31) Benzo(a)pyrene	23.58	252	41	0.00	ng	# 1
32) Dibenzo(a,h)anthracene	26.05	278	43	0.00	ng	# 1
33) Benzo(g,h,i)perylene	26.74	276	52	0.00	ng	# 1

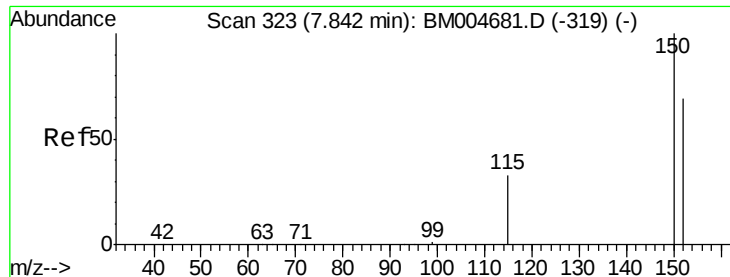
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032016\
Data File : BM004708.D
Acq On : 20 Mar 2016 16:16
Operator : UM/SJ
Sample : MDL-BL-W
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-BL-W

Quant Time: Mar 21 02:00:10 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



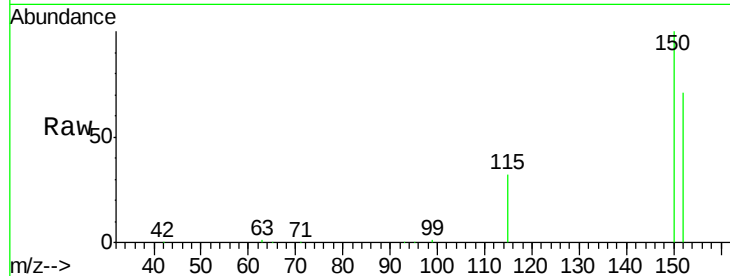


#1

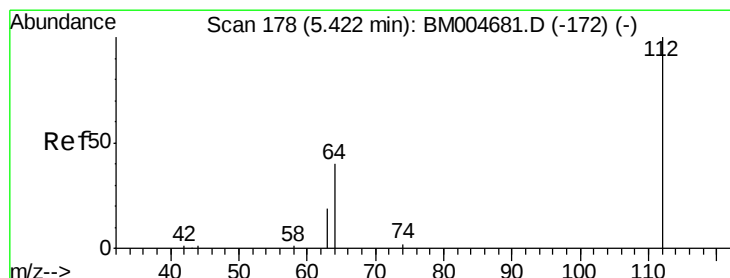
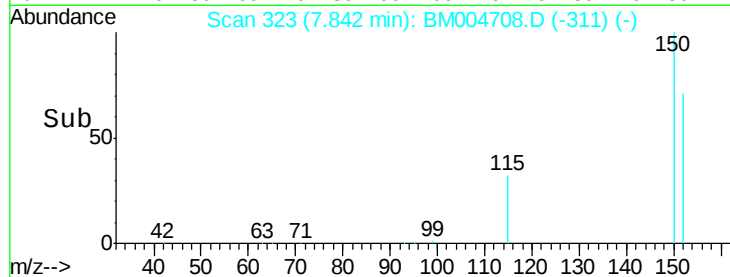
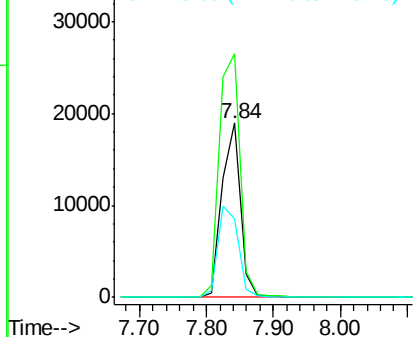
1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.84 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-W

Tgt Ion:152 Resp: 36194
 Ion Ratio Lower Upper
 152 100
 150 139.9 115.9 173.9
 115 44.8 38.4 57.6



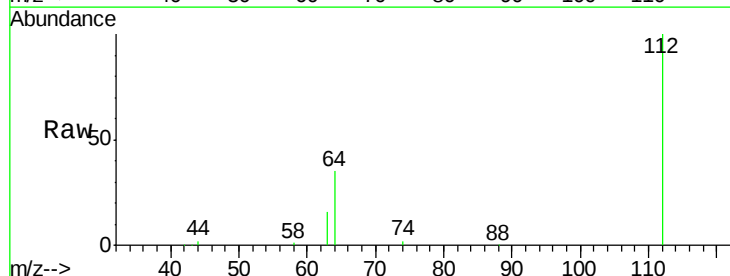
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



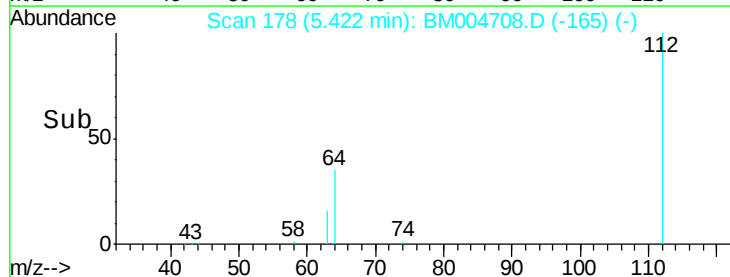
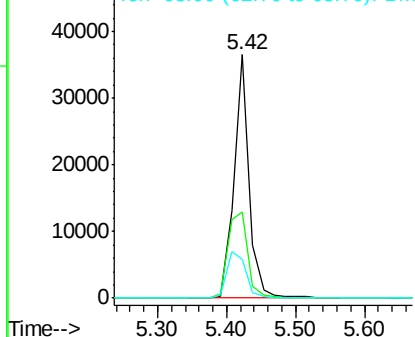
#4

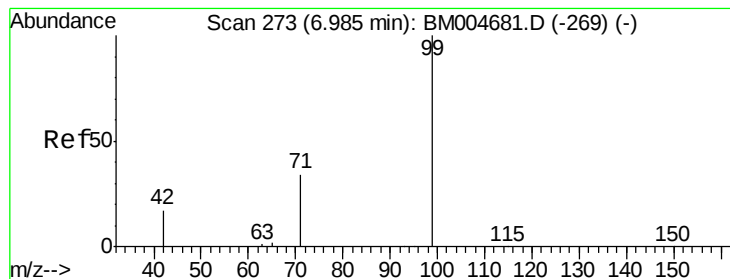
2-Fluorophenol
 Concen: 6.66 ng
 RT: 5.42 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Tgt Ion:112 Resp: 55658
 Ion Ratio Lower Upper
 112 100
 64 46.4 37.0 55.6
 63 23.7 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 6.49 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

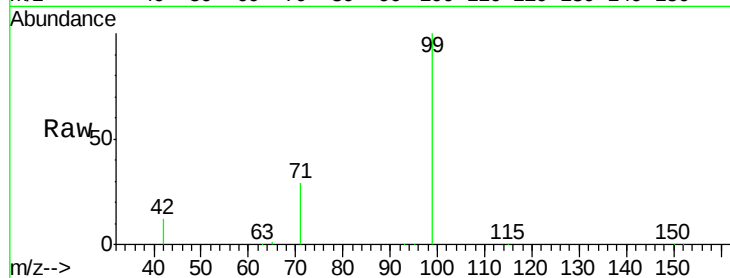
Tgt Ion: 99 Resp: 66433

Ion Ratio Lower Upper

99 100

42 13.9 12.7 19.1

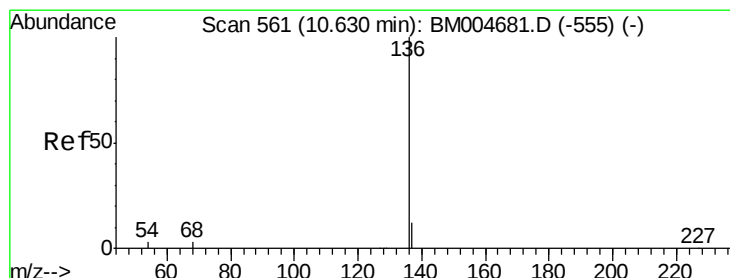
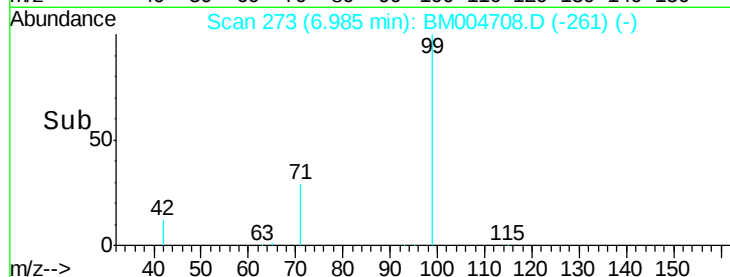
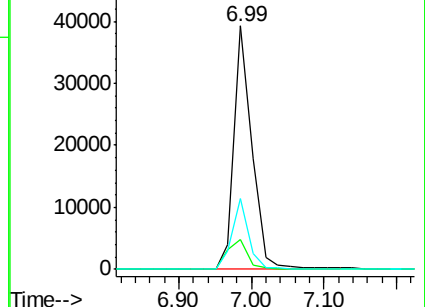
71 27.6 22.9 34.3



Abundance Ion 99.00 (98.70 to 99.70): BM004708.D (-269) (-)

Ion 42.00 (41.70 to 42.70): BM004708.D (-269) (-)

Ion 71.00 (70.70 to 71.70): BM004708.D (-269) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Tgt Ion: 136 Resp: 141667

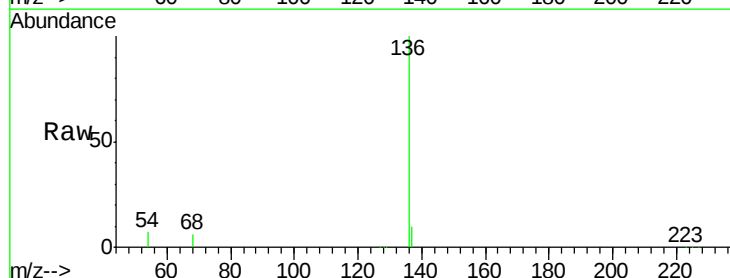
Ion Ratio Lower Upper

136 100

137 10.2 9.4 14.2

54 6.8 2.2 3.4#

68 5.8 2.2 3.4#

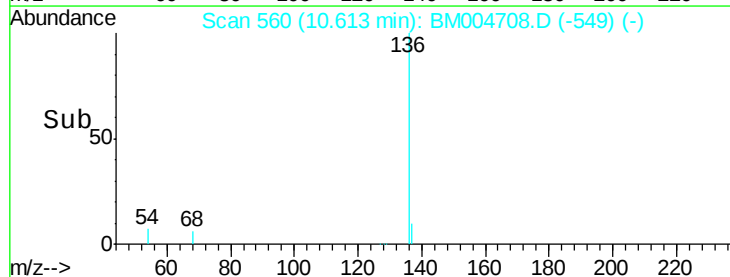
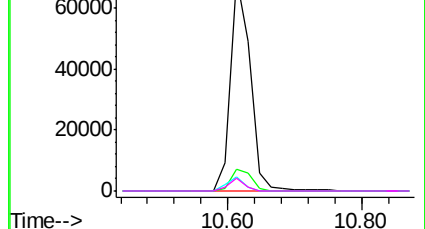


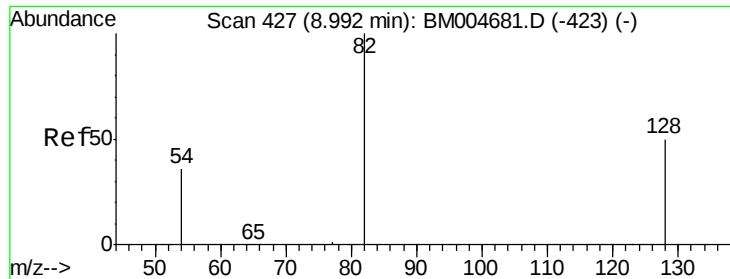
Abundance Ion 136.00 (135.70 to 136.70): BM004708.D (-549) (-)

Ion 137.00 (136.70 to 137.70): BM004708.D (-549) (-)

Ion 54.00 (53.70 to 54.70): BM004708.D (-549) (-)

Ion 68.00 (67.70 to 68.70): BM004708.D (-549) (-)





#7

Nitrobenzene-d5

Concen: 3.25 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampled :

MDL-BL-W

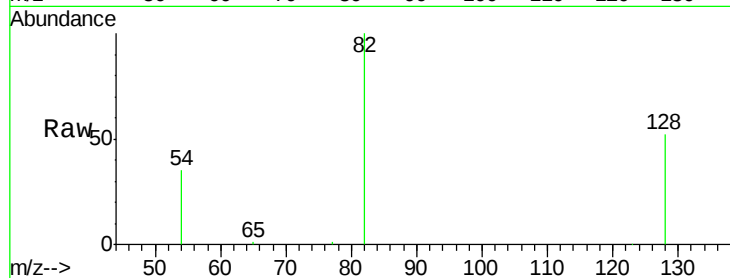
Tgt Ion: 82 Resp: 22180

Ion Ratio Lower Upper

82 100

128 52.1 41.8 62.8

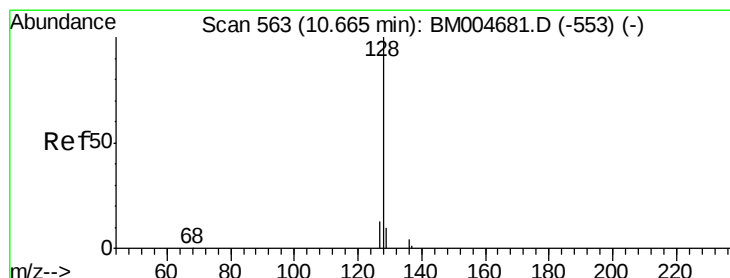
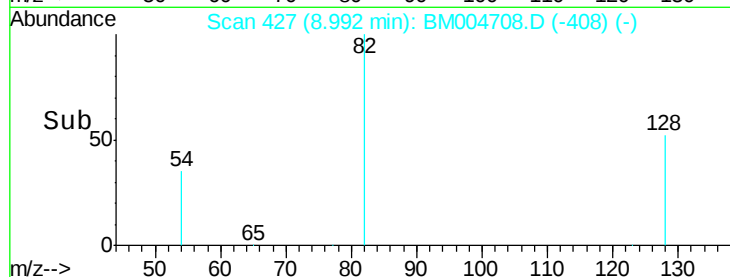
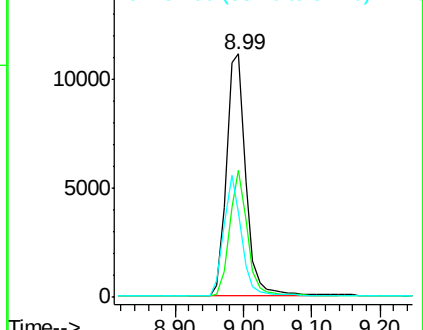
54 34.9 32.9 49.3



Abundance Ion 82.00 (81.70 to 82.70): BM004708.D (-408) (-)

Ion 128.00 (127.70 to 128.70): BM004708.D (-408) (-)

Ion 54.00 (53.70 to 54.70): BM004708.D (-408) (-)



#8

Naphthalene

Concen: 0.00 ng

RT: 10.66 min Scan# 563

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

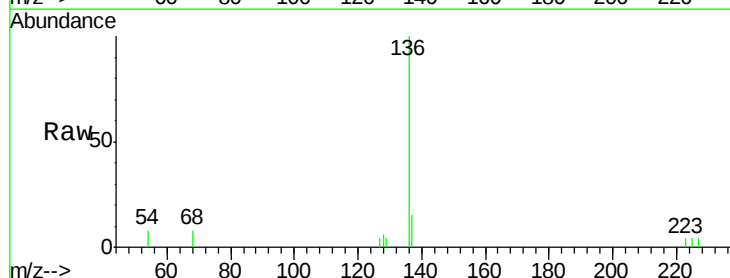
Tgt Ion: 128 Resp: 45

Ion Ratio Lower Upper

128 100

129 70.7 8.9 13.3#

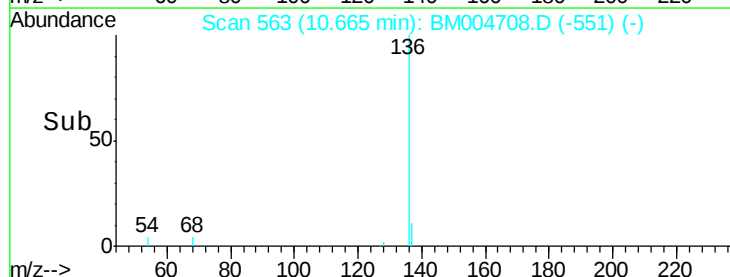
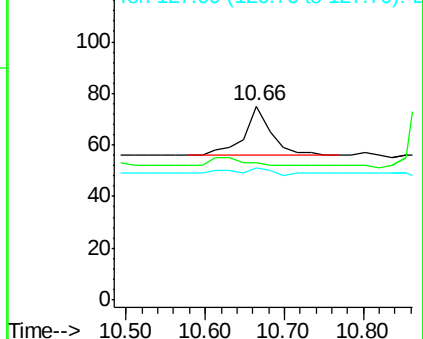
127 68.0 11.3 16.9#

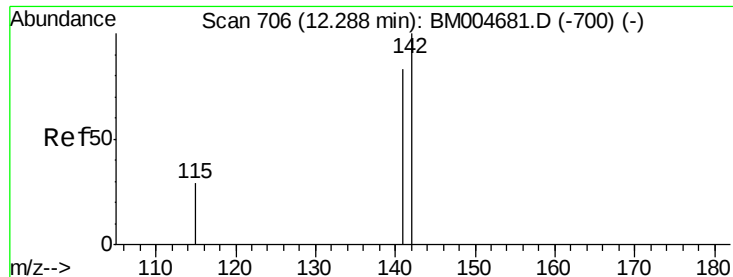


Abundance Ion 128.00 (127.70 to 128.70): BM004708.D (-551) (-)

Ion 129.00 (128.70 to 129.70): BM004708.D (-551) (-)

Ion 127.00 (126.70 to 127.70): BM004708.D (-551) (-)





#9

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.30 min Scan# 707

Delta R.T. 0.01 min

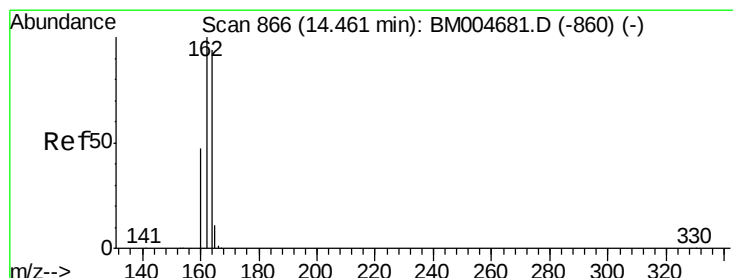
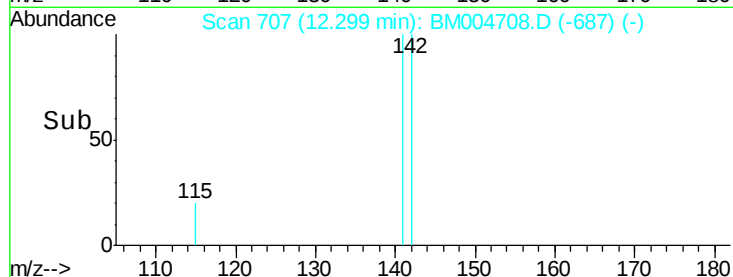
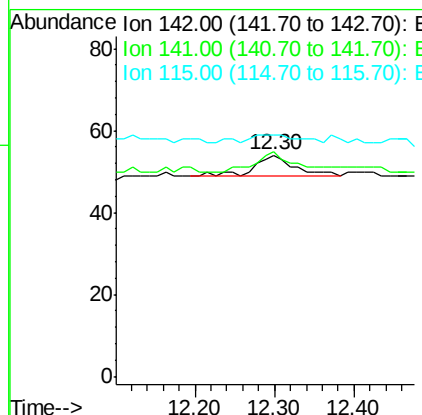
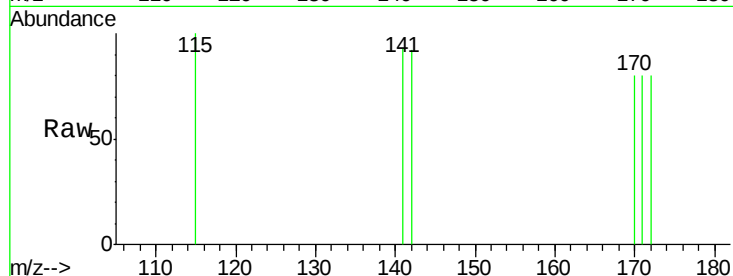
Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :
BNA_M
ClientSampleId :
MDL-BL-W

Tgt Ion:142 Resp: 17

Ion	Ratio	Lower	Upper
142	100		
141	101.9	66.2	99.2#
115	109.3	23.8	35.8#



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.46 min Scan# 866

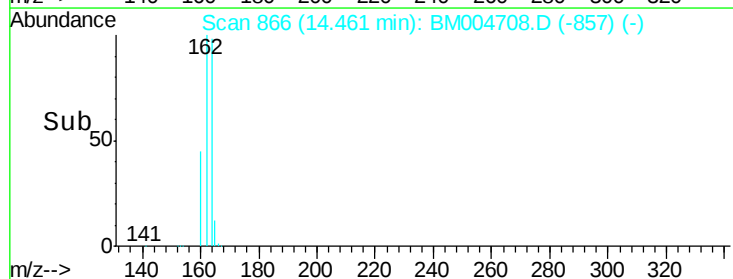
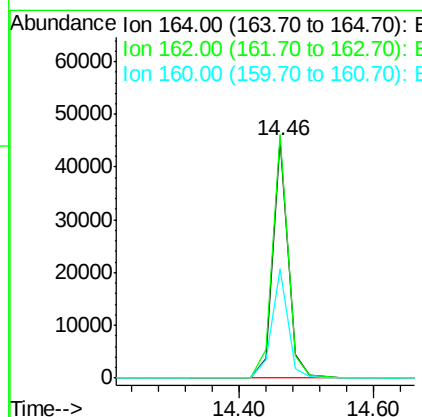
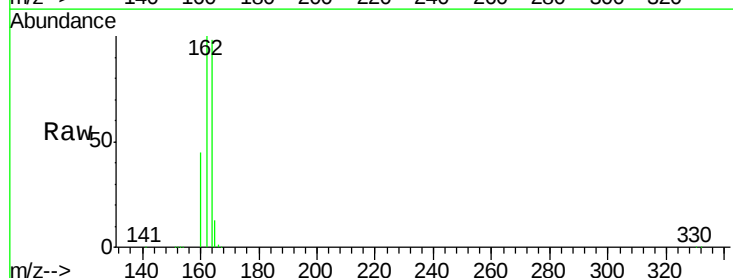
Delta R.T. 0.00 min

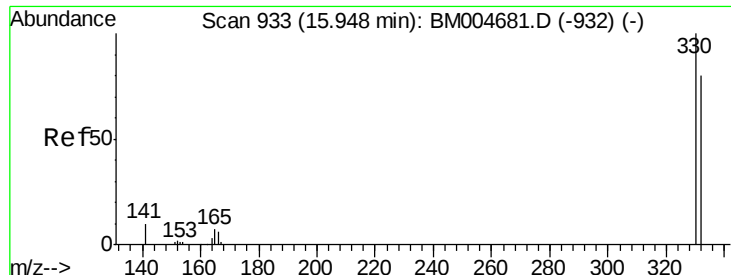
Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Tgt Ion:164 Resp: 71733

Ion	Ratio	Lower	Upper
164	100		
162	102.3	85.4	128.0
160	46.0	40.2	60.2

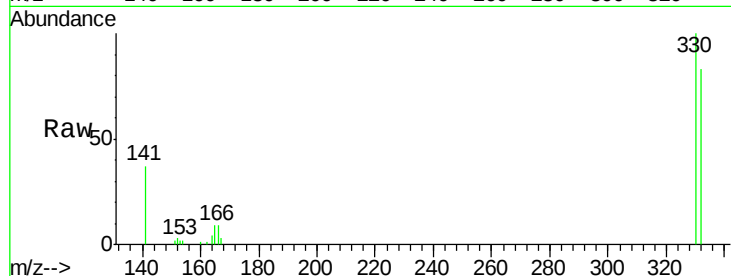




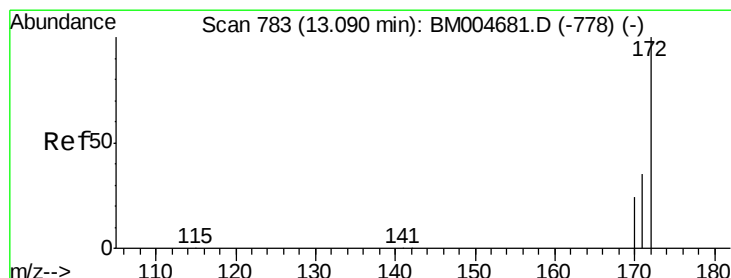
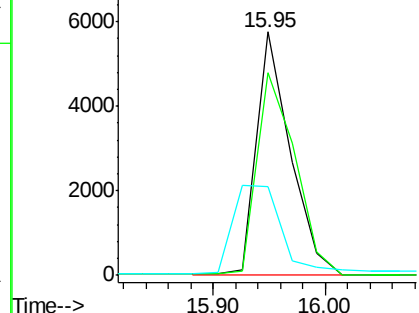
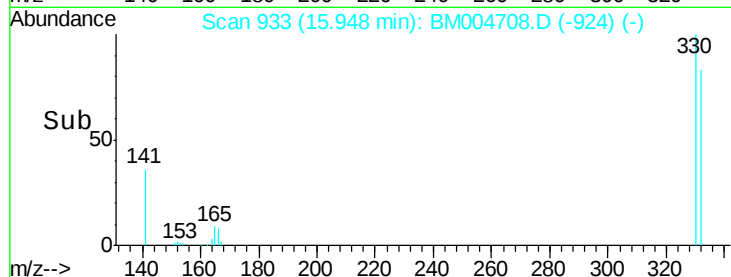
#11
 2,4,6-Tribromophenol
 Concen: 5.12 ng
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-W

Tgt Ion:330 Resp: 12171
 Ion Ratio Lower Upper
 330 100
 332 94.0 93.9 140.9
 141 0.0 42.2 63.2#

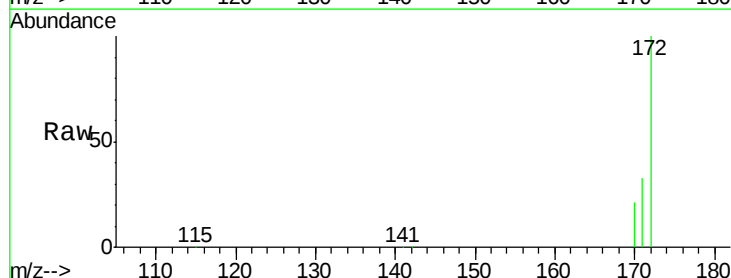


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

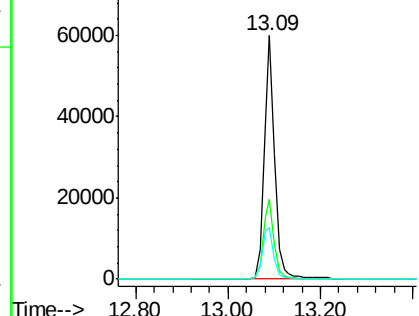
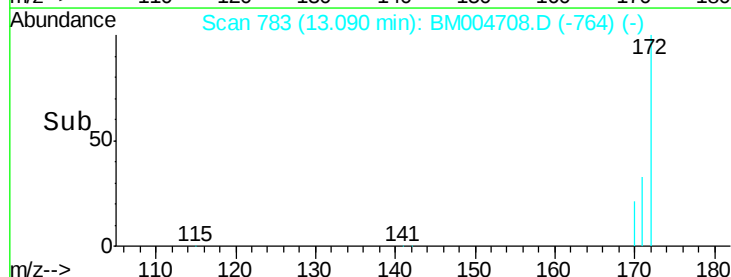


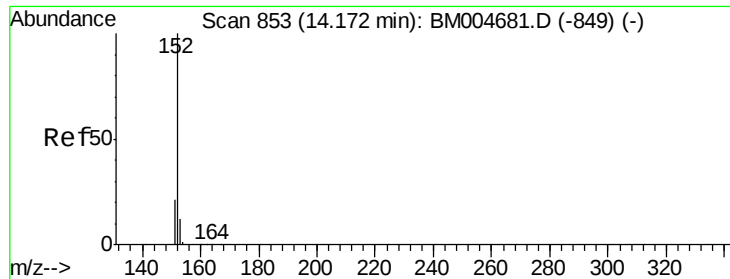
#12
 2-Fluorobiphenyl
 Concen: 4.59 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Tgt Ion:172 Resp: 94277
 Ion Ratio Lower Upper
 172 100
 171 33.0 28.2 42.2
 170 21.2 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: 0.00 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

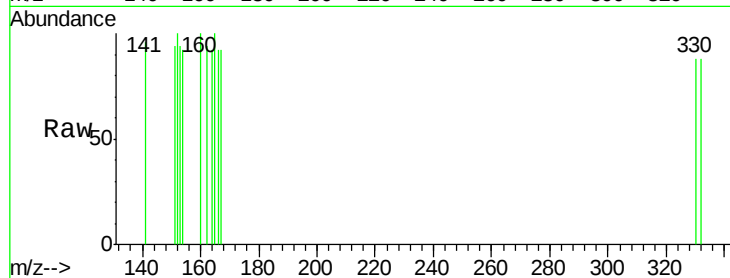
Tgt Ion:152 Resp: 11

Ion Ratio Lower Upper

152 100

151 63.6 15.8 23.6#

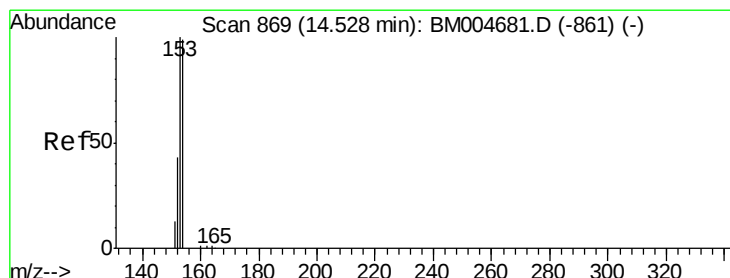
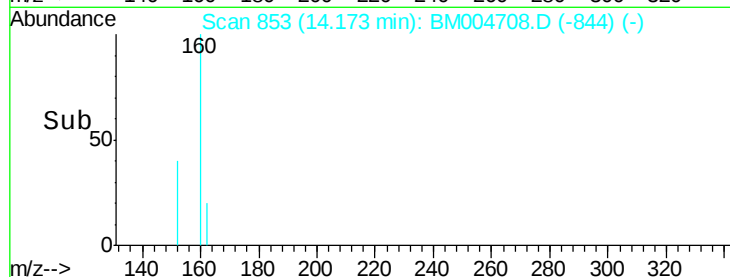
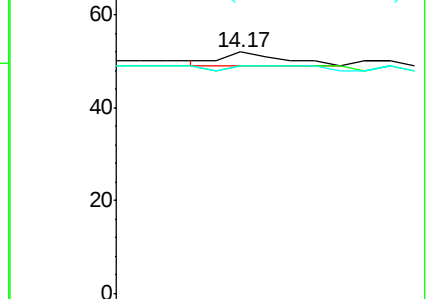
153 45.5 10.2 15.2#



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: 0.01 ng

RT: 14.46 min Scan# 866

Delta R.T. -0.07 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

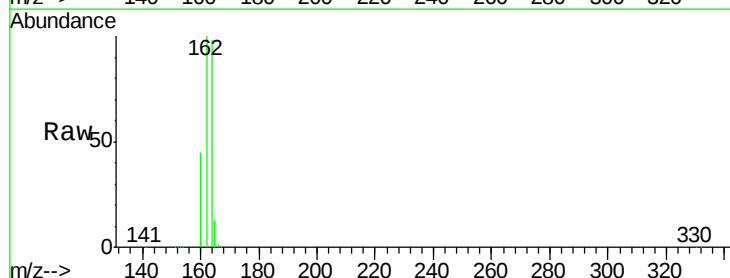
Tgt Ion:154 Resp: 297

Ion Ratio Lower Upper

154 100

153 11.1 83.8 125.6#

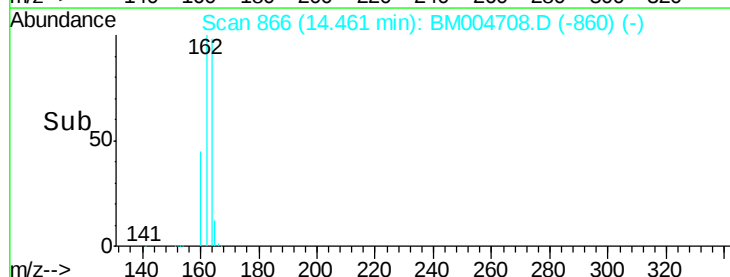
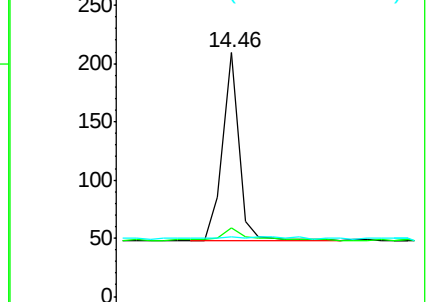
152 1.3 40.3 60.5#

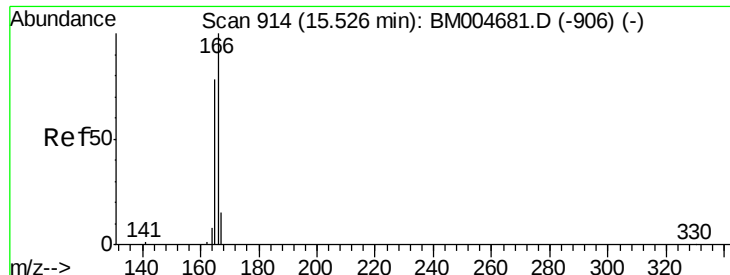


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#15

Fluorene

Concen: 0.00 ng

RT: 15.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

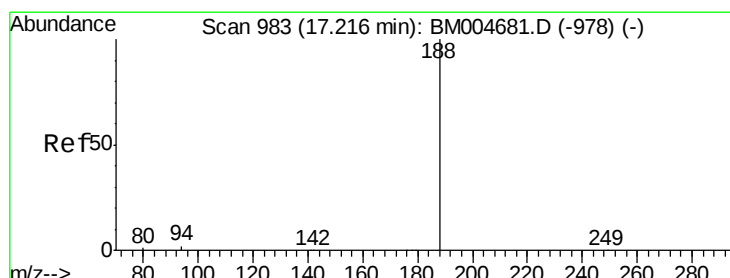
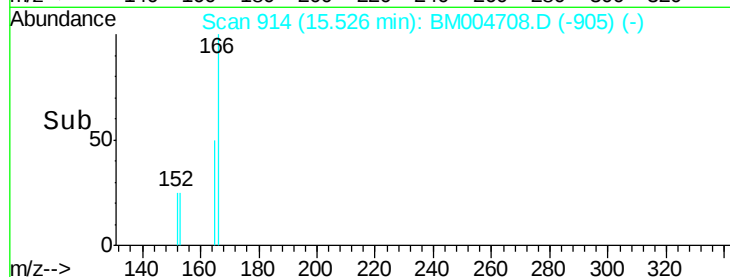
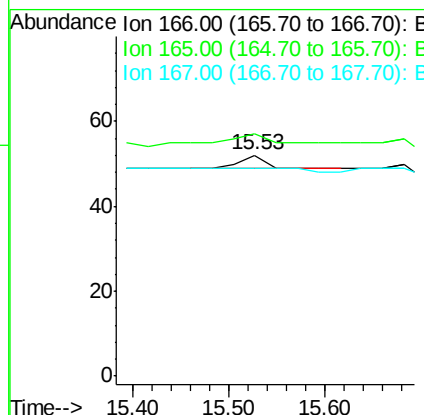
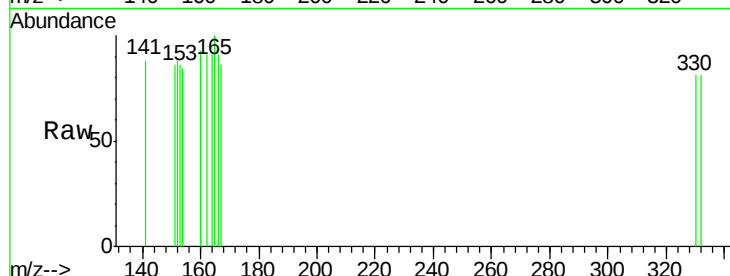
BNA_M

ClientSampleId :

MDL-BL-W

Tgt Ion:166 Resp: 5

Ion	Ratio	Lower	Upper
166	100		
165	300.0	0.0	0.0#
167	0.0	10.6	15.8#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.19 min Scan# 982

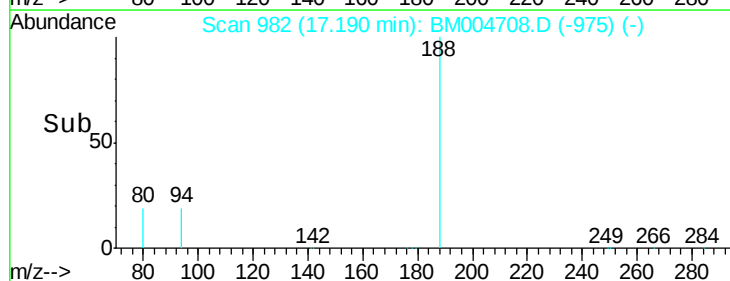
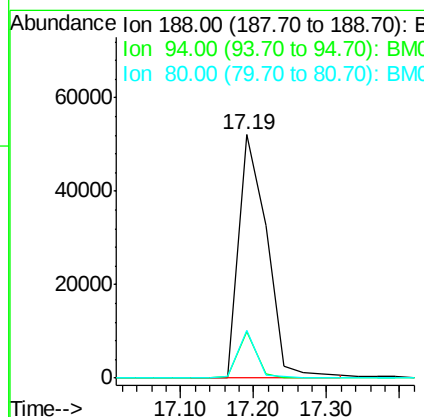
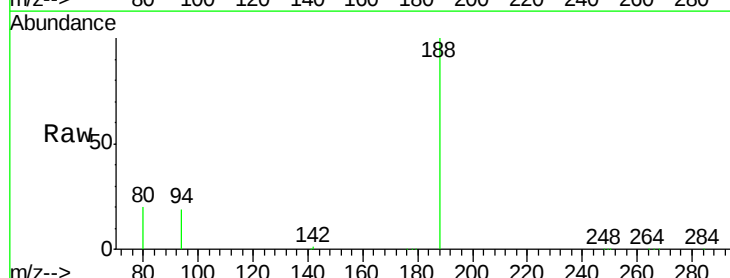
Delta R.T. -0.03 min

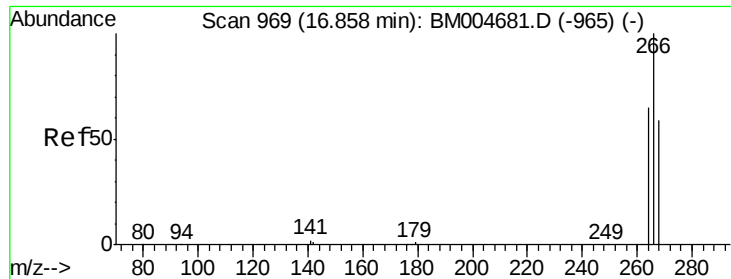
Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Tgt Ion:188 Resp: 137639

Ion	Ratio	Lower	Upper
188	100		
94	18.9	1.4	2.0#
80	19.6	1.0	1.6#

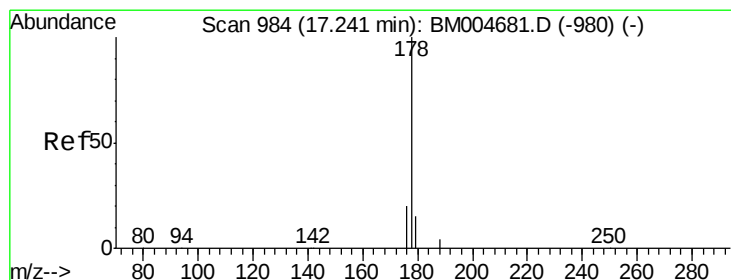
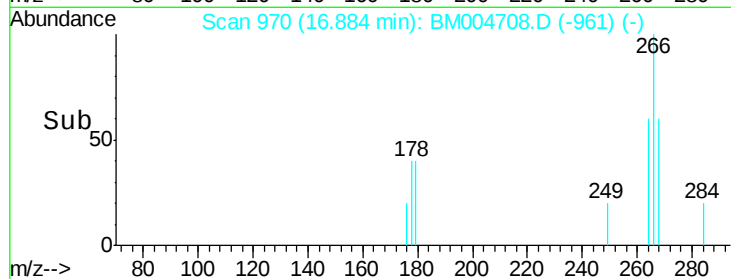
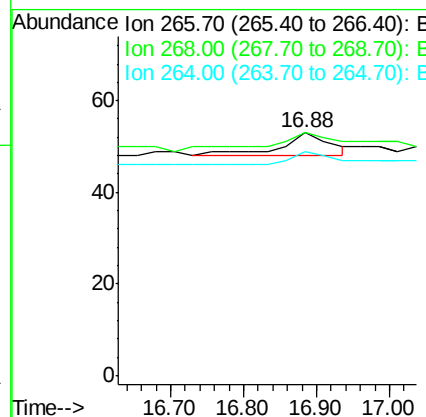
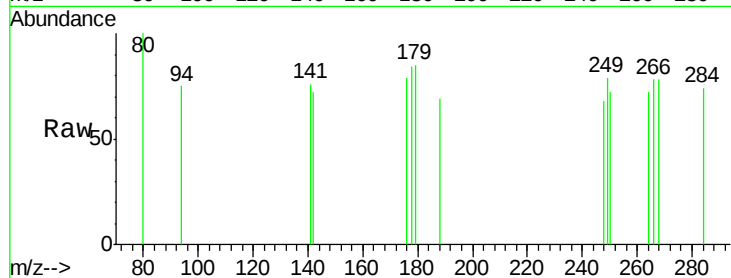




#18
 Pentachlorophenol
 Concen: 0.13 ng
 RT: 16.88 min Scan# 970
 Delta R.T. 0.03 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

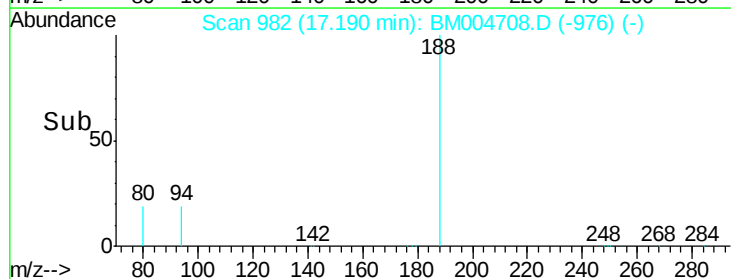
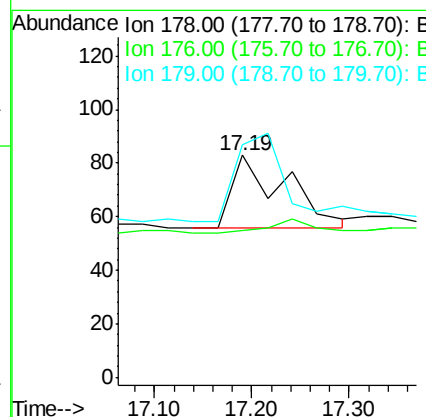
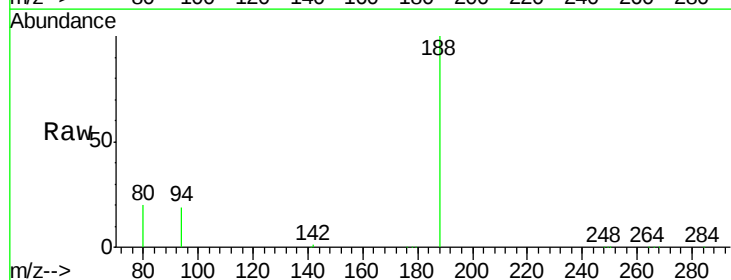
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-W

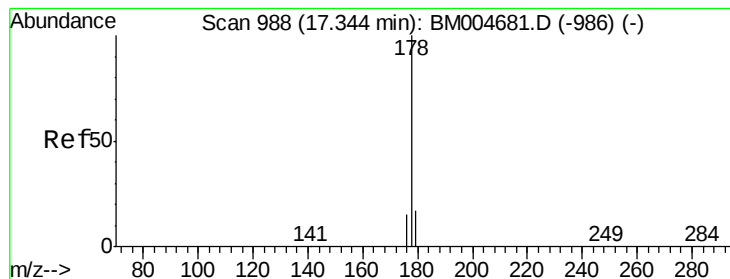
Tgt Ion: 266 Resp: 25
 Ion Ratio Lower Upper
 266 100
 268 100.0 49.1 73.7#
 264 92.5 52.9 79.3#



#19
 Phenanthrene
 Concen: 0.00 ng
 RT: 17.19 min Scan# 982
 Delta R.T. -0.05 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Tgt Ion: 178 Resp: 103
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.5 23.3#
 179 0.0 12.2 18.4#





#20

Anthracene

Concen: 0.00 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.15 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampled :

MDL-BL-W

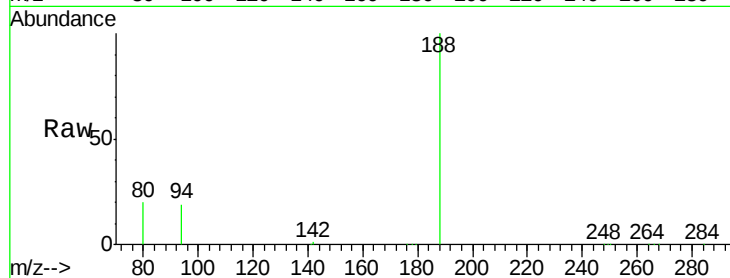
Tgt Ion:178 Resp: 123

Ion Ratio Lower Upper

178 100

176 0.0 14.5 21.7#

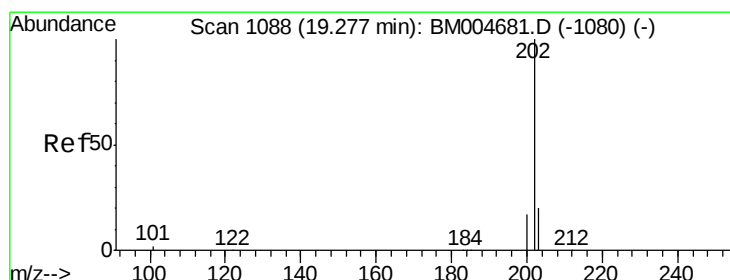
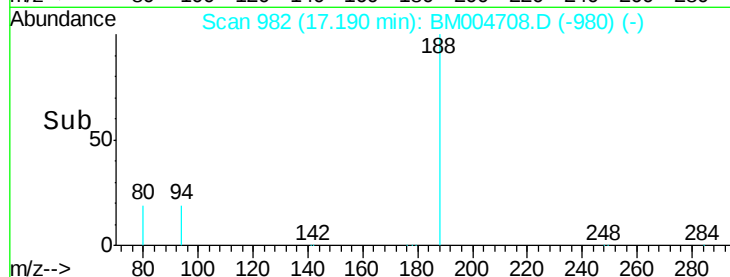
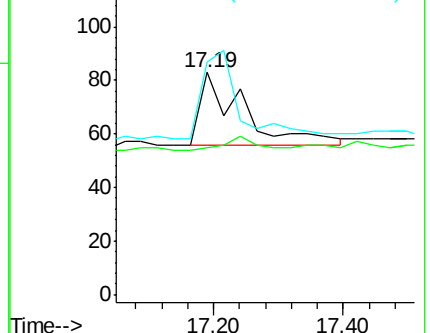
179 0.0 12.6 18.8#



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: 0.00 ng

RT: 19.28 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

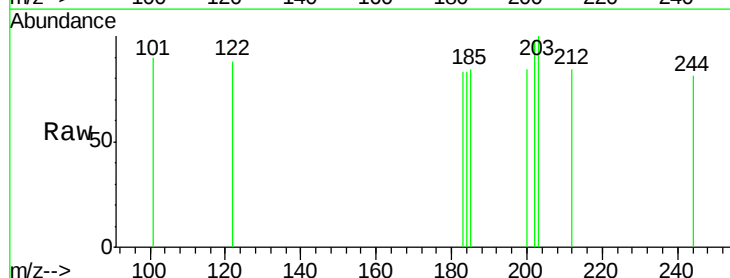
Tgt Ion:202 Resp: 16

Ion Ratio Lower Upper

202 100

101 31.3 8.7 13.1#

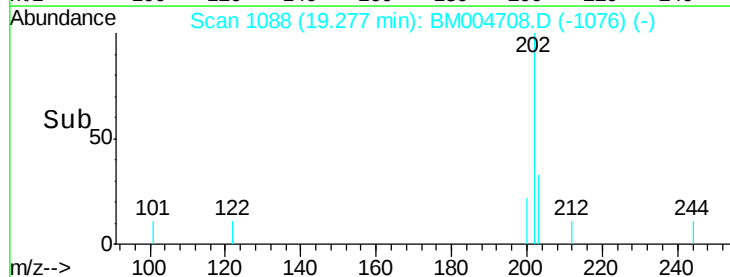
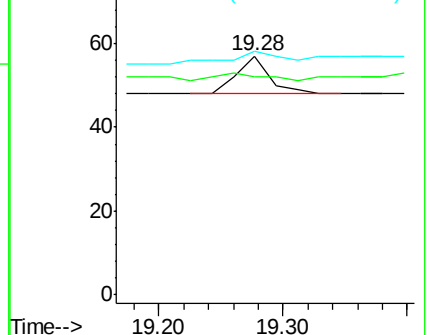
203 56.3 14.1 21.1#

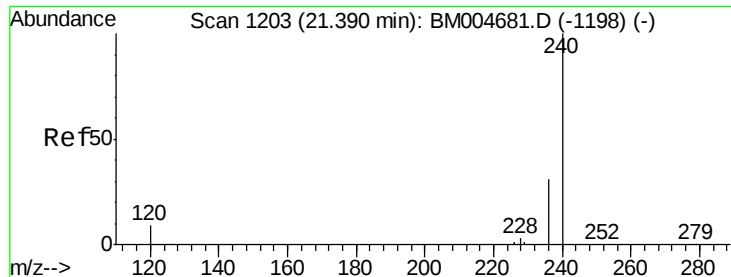


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

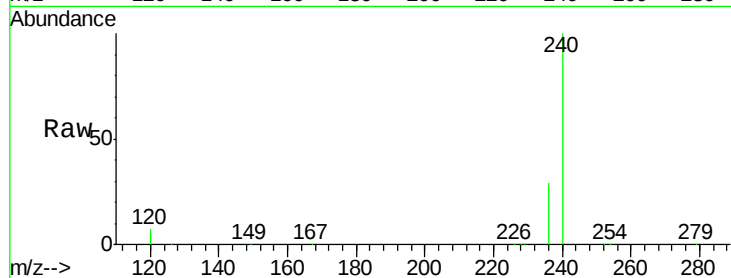
Tgt Ion:240 Resp: 149272

Ion Ratio Lower Upper

240 100

120 7.2 7.4 11.2#

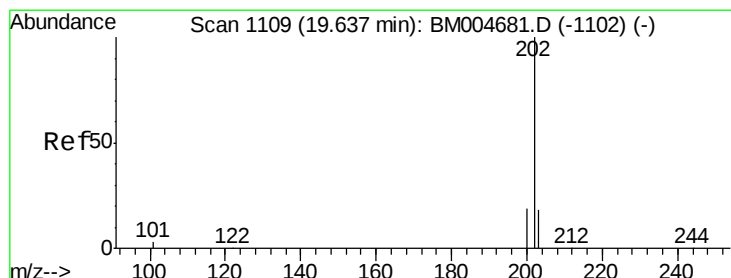
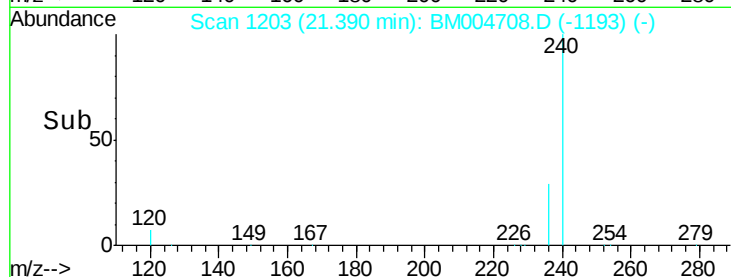
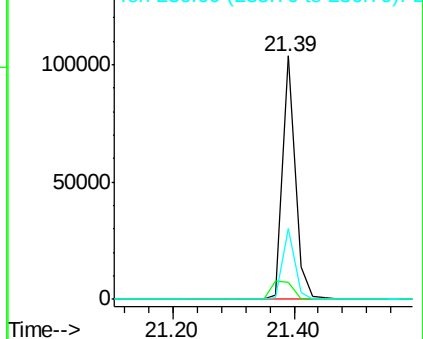
236 29.1 24.5 36.7



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: 0.00 ng

RT: 19.64 min Scan# 1109

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

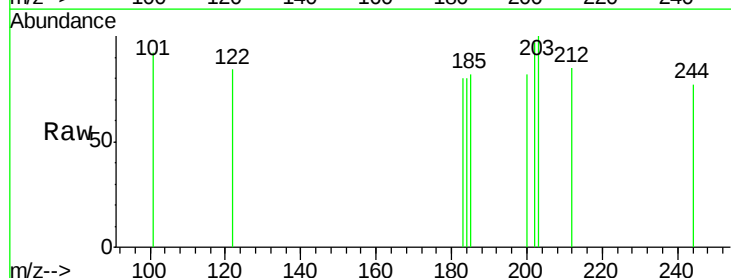
Tgt Ion:202 Resp: 19

Ion Ratio Lower Upper

202 100

200 42.1 16.8 25.2#

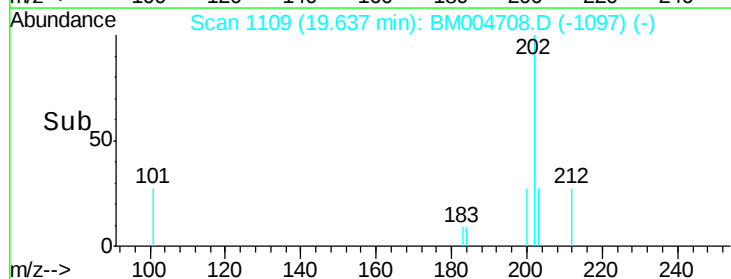
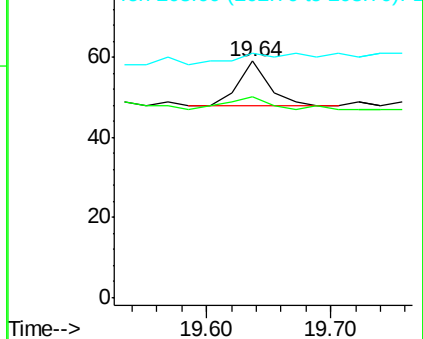
203 63.2 13.9 20.9#

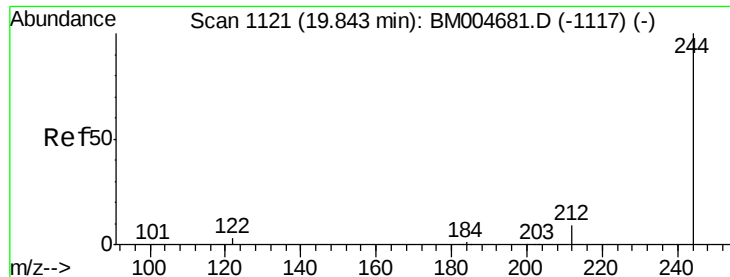


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#24

Terphenyl-d14

Concen: 4.06 ng

RT: 19.84 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

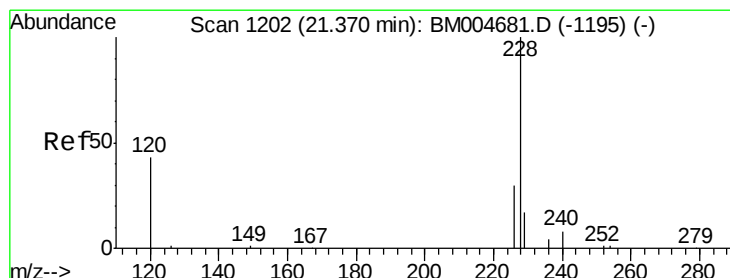
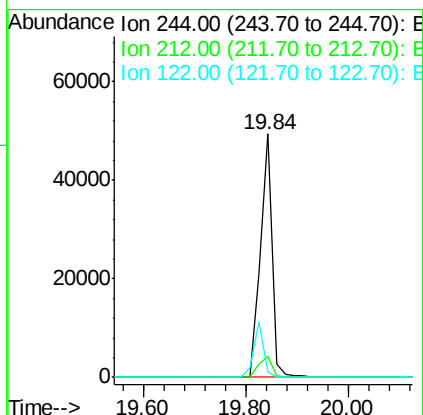
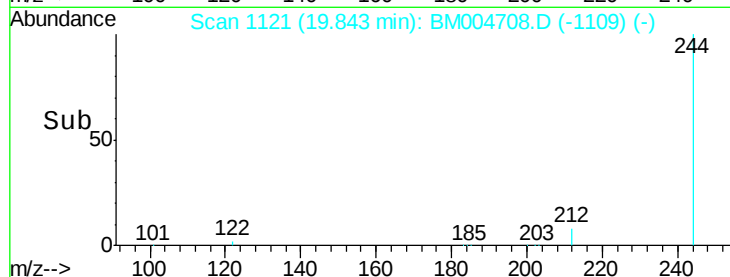
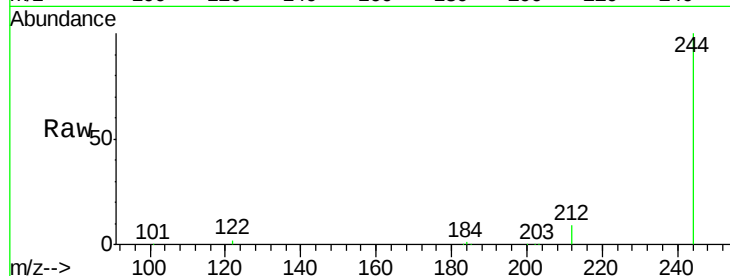
Tgt Ion:244 Resp: 76641

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: 0.01 ng

RT: 21.39 min Scan# 1203

Delta R.T. 0.02 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

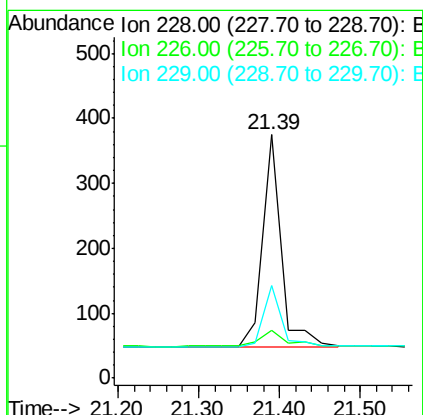
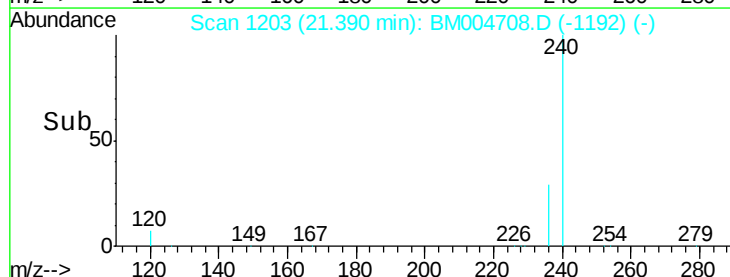
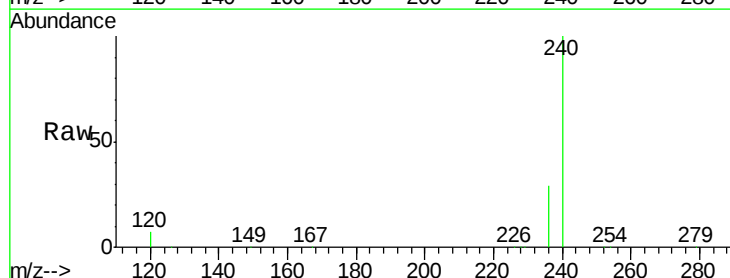
Tgt Ion:228 Resp: 525

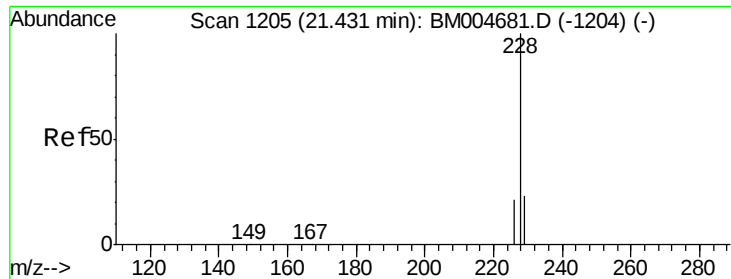
Ion Ratio Lower Upper

228 100

226 19.5 24.2 36.2#

229 37.9 14.2 21.2#

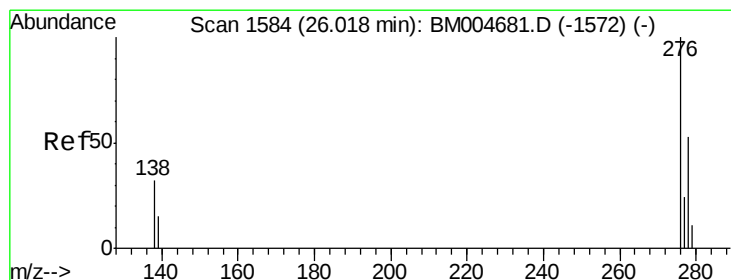
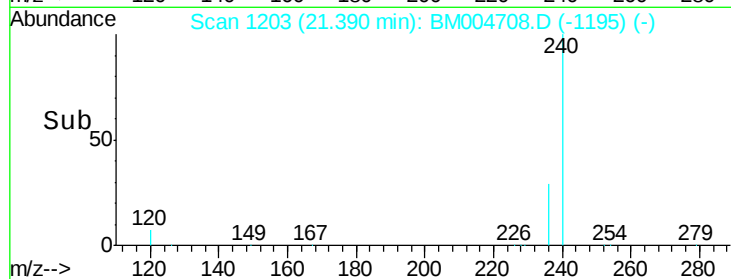
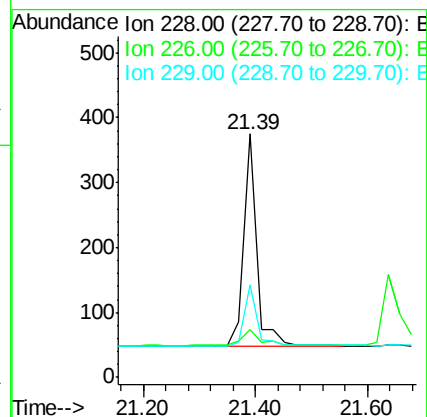
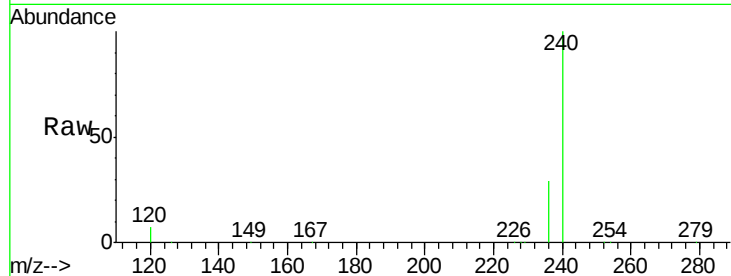




#26
Chrysene
Concen: 0.01 ng
RT: 21.39 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BM004708.D
Acq: 20 Mar 2016 16:16

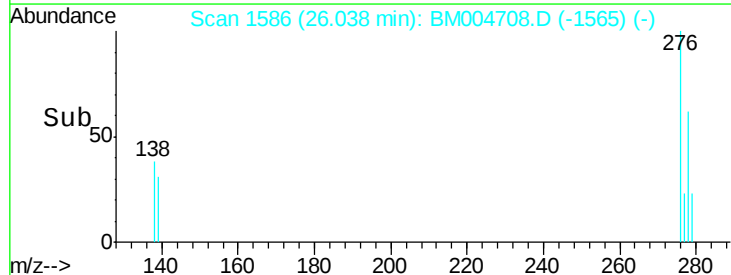
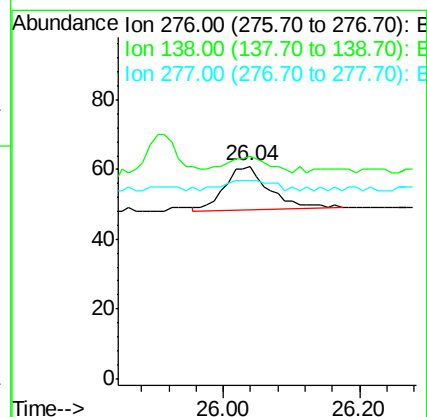
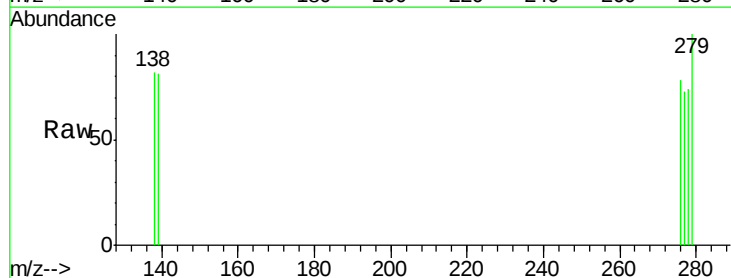
Instrument :
BNA_M
ClientSampleId :
MDL-BL-W

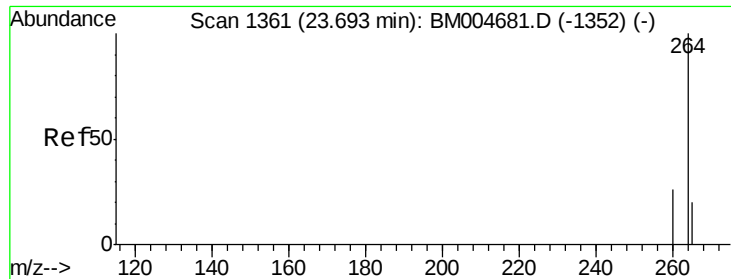
Tgt Ion: 228 Resp: 535
Ion Ratio Lower Upper
228 100
226 19.5 20.9 31.3#
229 37.9 17.4 26.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng
RT: 26.04 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BM004708.D
Acq: 20 Mar 2016 16:16

Tgt Ion: 276 Resp: 58
Ion Ratio Lower Upper
276 100
138 34.5 25.9 38.9
277 0.0 19.8 29.6#

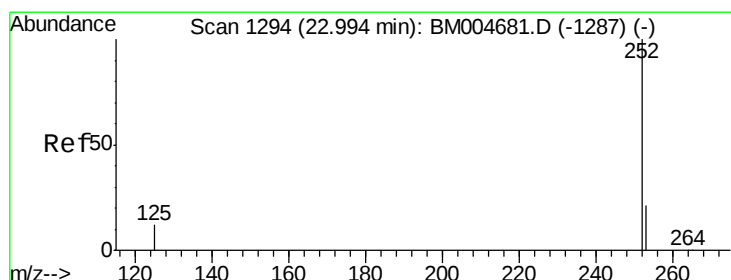
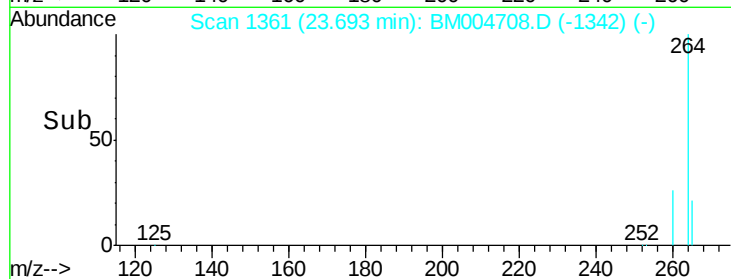
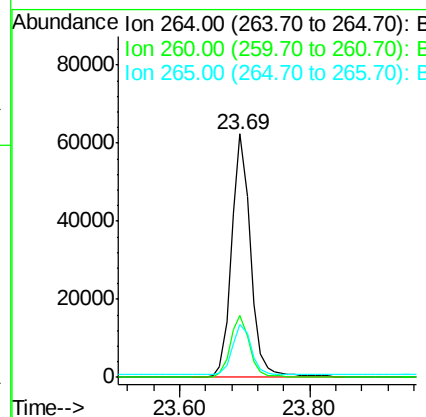
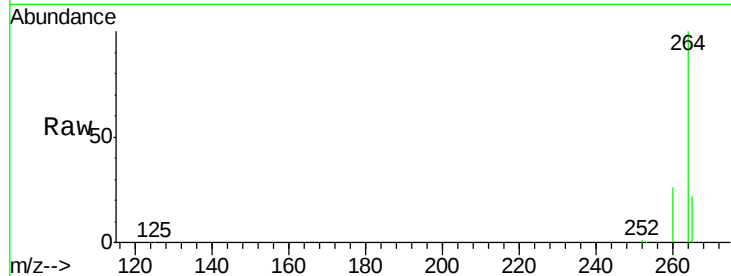




#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

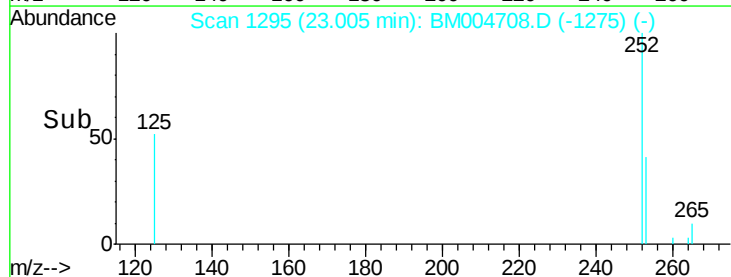
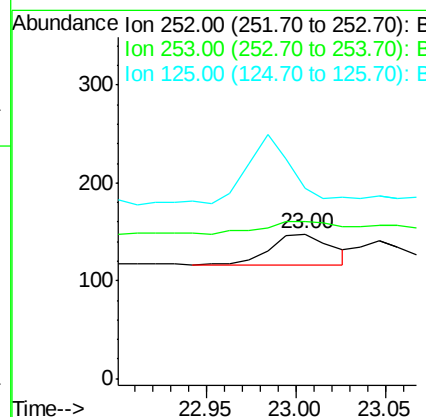
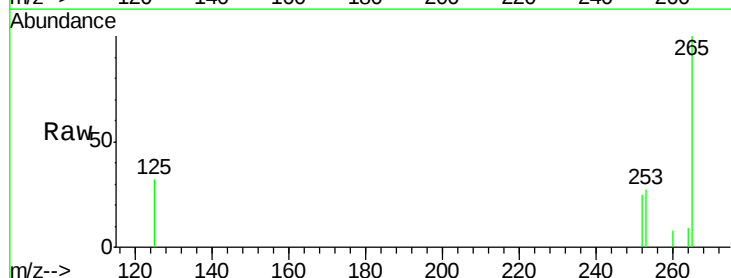
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BL-W

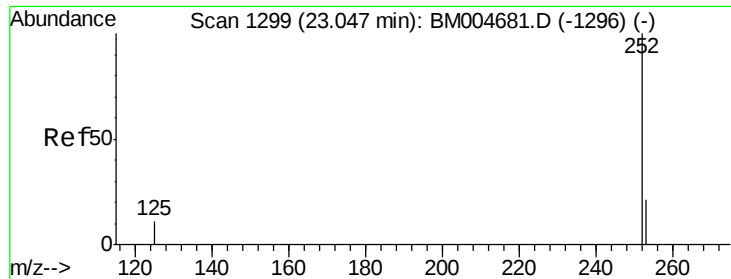
Tgt Ion:264 Resp: 125409
 Ion Ratio Lower Upper
 264 100
 260 25.6 21.0 31.4
 265 21.8 17.5 26.3



#29
 Benzo(b)fluoranthene
 Concen: 0.00 ng
 RT: 23.00 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: BM004708.D
 Acq: 20 Mar 2016 16:16

Tgt Ion:252 Resp: 78
 Ion Ratio Lower Upper
 252 100
 253 108.8 17.9 26.9#
 125 131.1 11.4 17.0#





#30

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 23.00 min Scan# 1295

Delta R.T. -0.04 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

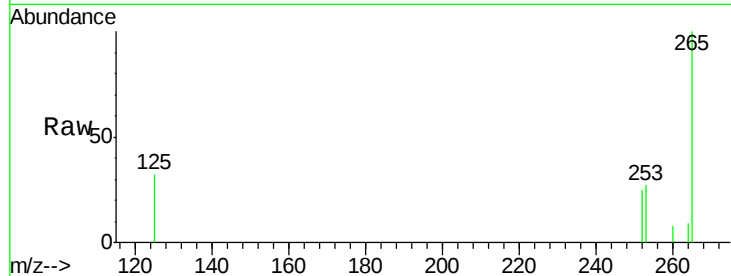
Tgt Ion: 252 Resp: 78

Ion Ratio Lower Upper

252 100

253 108.8 19.3 28.9#

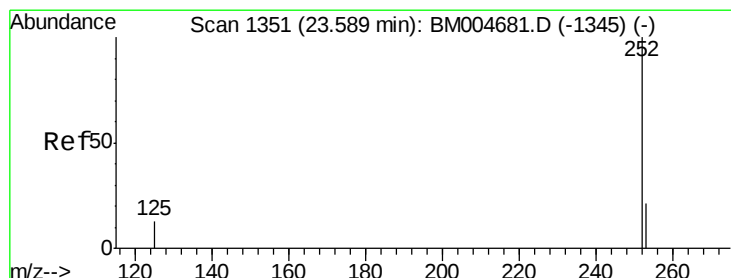
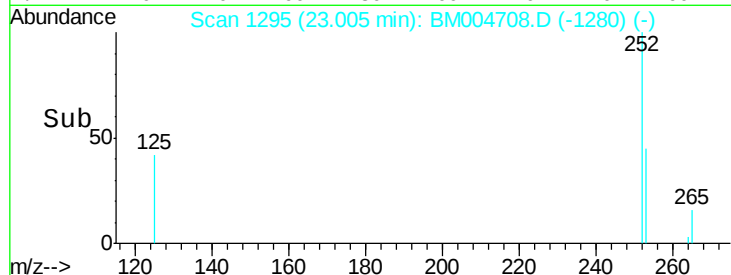
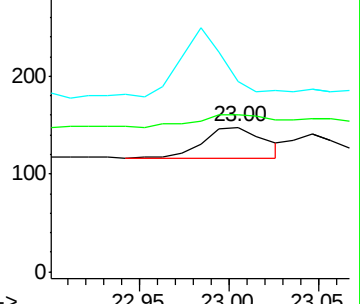
125 131.1 10.6 15.8#



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: 0.00 ng

RT: 23.58 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

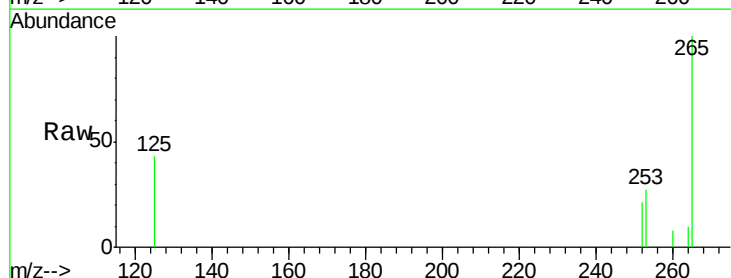
Tgt Ion: 252 Resp: 41

Ion Ratio Lower Upper

252 100

253 125.2 18.6 28.0#

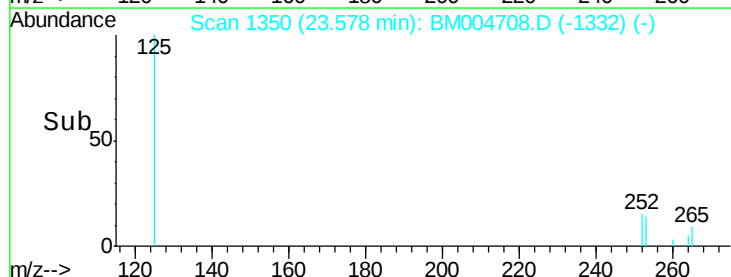
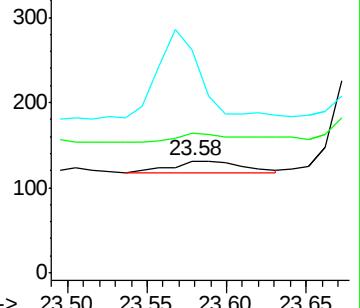
125 200.0 12.3 18.5#

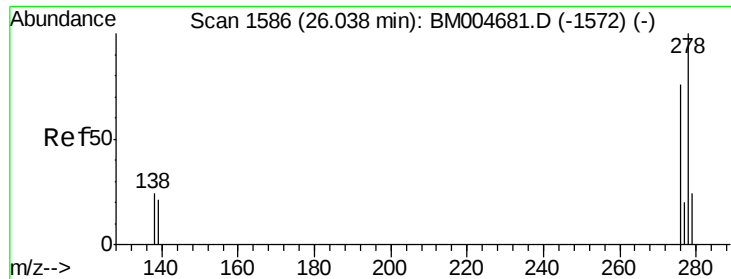


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#32

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.05 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

Instrument :

BNA_M

ClientSampleId :

MDL-BL-W

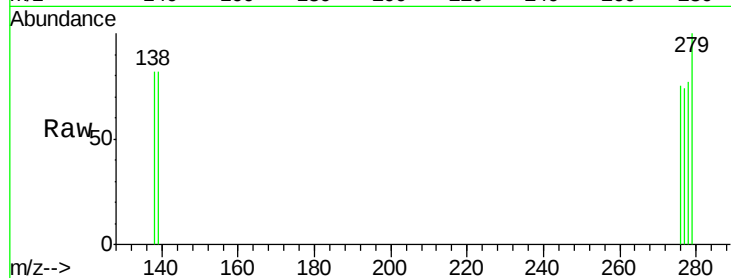
Tgt Ion: 278 Resp: 43

Ion Ratio Lower Upper

278 100

139 106.8 17.6 26.4#

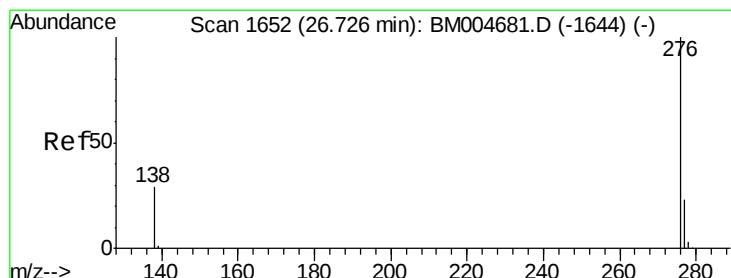
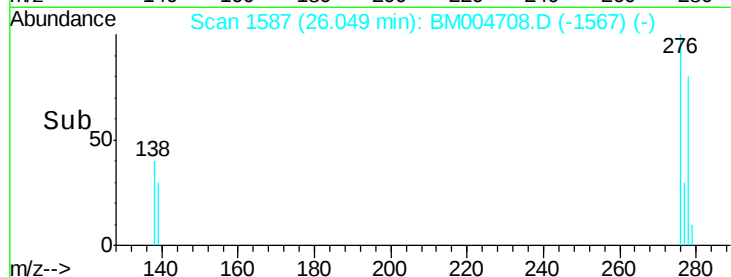
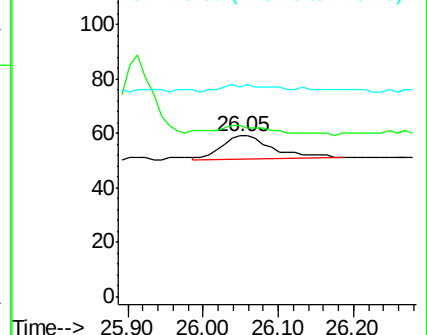
279 130.5 19.9 29.9#



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: 0.00 ng

RT: 26.74 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BM004708.D

Acq: 20 Mar 2016 16:16

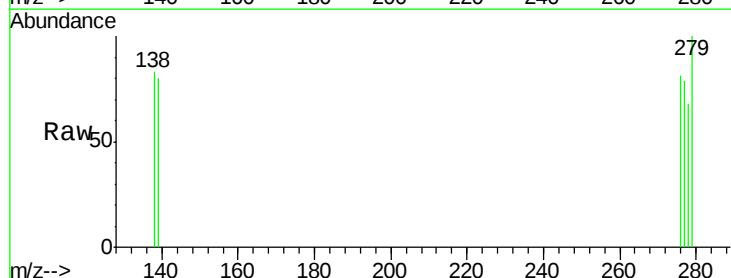
Tgt Ion: 276 Resp: 52

Ion Ratio Lower Upper

276 100

277 96.7 19.1 28.7#

138 101.6 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

