

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001589.D
 Acq On : 06 Jun 2015 11:40
 Operator : TP/IZ
 Sample : G2491-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LF017MW004-150601

Quant Time: Jun 08 05:38:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 05:27:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	30469	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	111772	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	52745	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	68665	5.00	ng	0.00
25) Chrysene-d12	21.28	240	73929	5.00	ng	0.00
32) Perylene-d12	23.52	264	66909	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	14300	2.12	ng	0.02
5) Phenol-d6	6.84	99	11968	1.45	ng	0.00
7) Nitrobenzene-d5	8.85	82	35874	4.71	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	28080	11.13	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	87969	5.41	ng	0.00
27) Terphenyl-d14	19.72	244	78121	8.18	ng	0.00

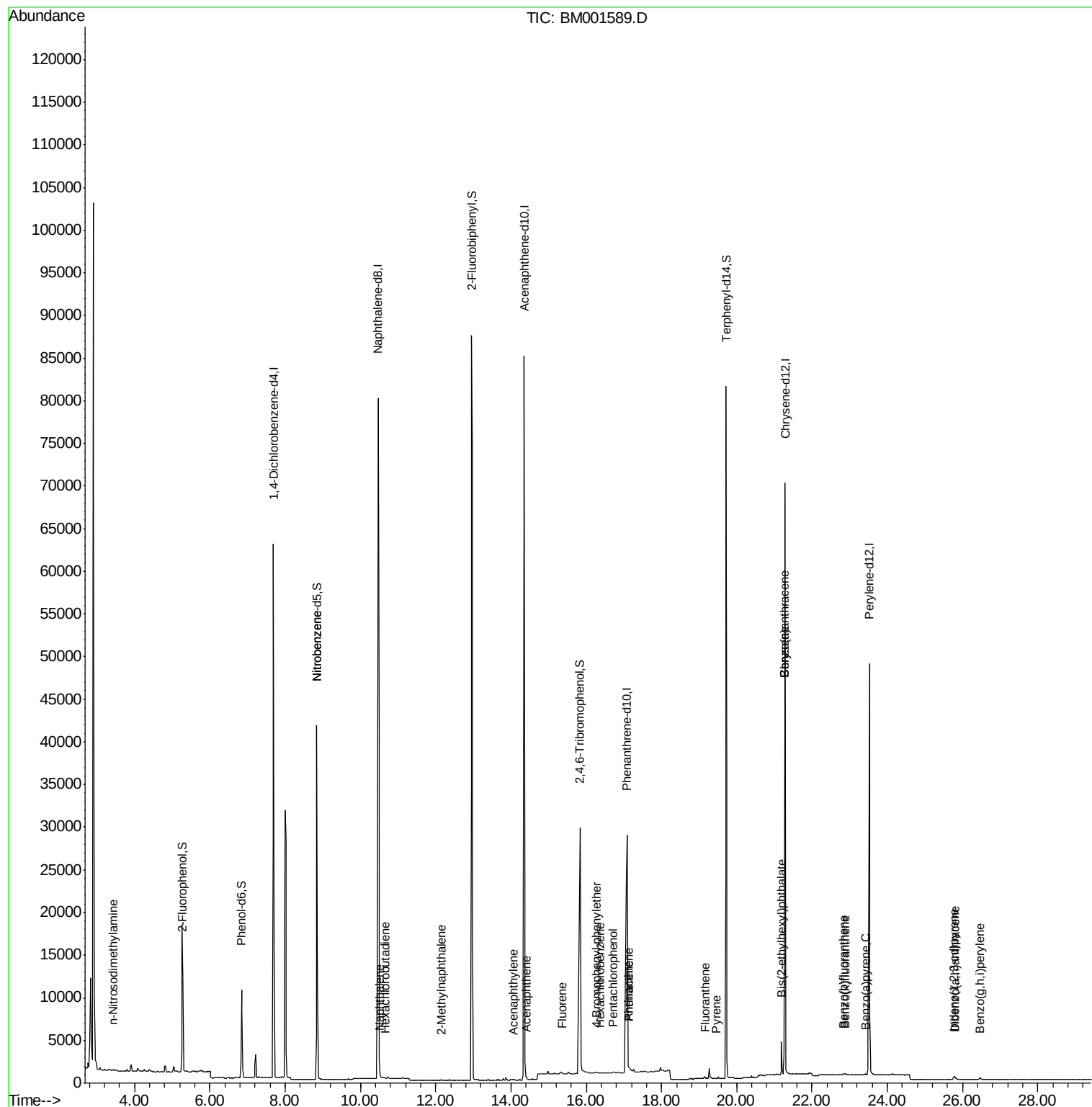
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	154	Below Cal	#	48
3) n-Nitrosodimethylamine	3.44	42	139	0.03 ng	#	1
8) Nitrobenzene	8.85	77	126	0.02 ng	#	39
9) Naphthalene	10.52	128	135	0.01 ng	#	6
10) Hexachlorobutadiene	10.66	225	1	0.00 ng	#	19
11) 2-Methylnaphthalene	12.15	142	58	0.00 ng	#	70
15) Acenaphthylene	14.06	152	57	0.00 ng	#	64
16) Acenaphthene	14.41	154	148	0.01 ng	#	95
17) Fluorene	15.36	166	135	0.01 ng	#	75
19) 4-Bromophenyl-phenylether	16.27	248	8	0.08 ng	#	60
20) Hexachlorobenzene	16.38	284	6	0.00 ng	#	1
21) Pentachlorophenol	16.72	266	63	0.05 ng	#	80
22) Phenanthrene	17.12	178	342	0.01 ng	#	78
23) Anthracene	17.12	178	401	0.04 ng	#	40
24) Fluoranthene	19.15	202	220	0.01 ng	#	6
26) Pyrene	19.44	202	21	0.00 ng	#	93
28) Benzo(a)anthracene	21.27	228	623	0.03 ng	#	73
29) Chrysene	21.27	228	643	0.03 ng	#	69
30) Bis(2-ethylhexyl)phthalate	21.19	149	3451	0.35 ng		100
31) Indeno(1,2,3-cd)pyrene	25.77	276	559	0.03 ng		98
33) Benzo(b)fluoranthene	22.83	252	308	0.02 ng	#	1
34) Benzo(k)fluoranthene	22.89	252	206	0.01 ng	#	1
35) Benzo(a)pyrene	23.42	252	270	0.02 ng	#	1
36) Dibenzo(a,h)anthracene	25.79	278	456	0.03 ng	#	12
37) Benzo(g,h,i)perylene	26.46	276	455	0.03 ng	#	39

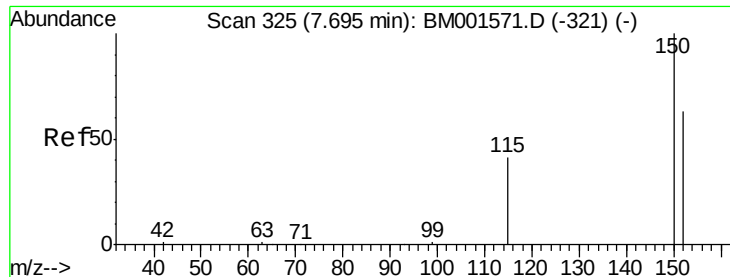
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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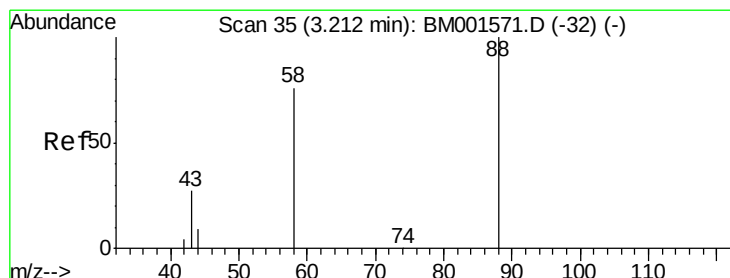
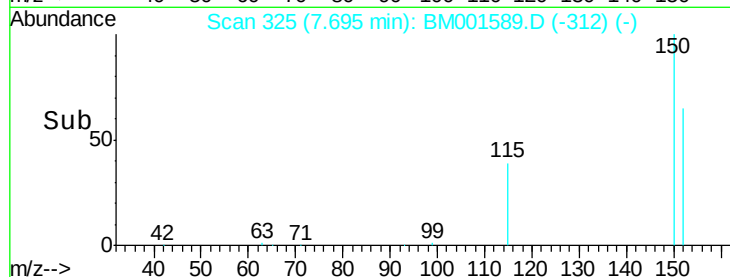
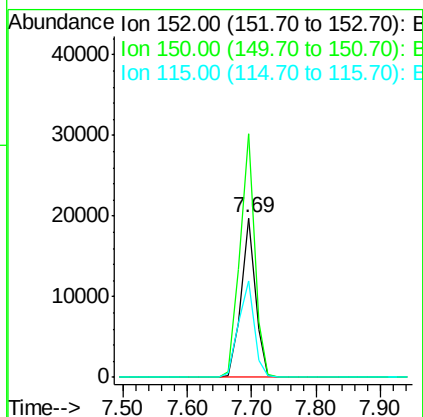
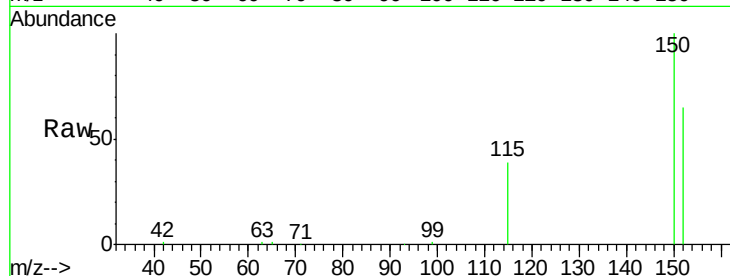


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 325
Delta R.T. -0.00 min
Lab File: BM001589.D
Acq: 06 Jun 2015 11:40

Instrument :
BNA_M
ClientSampleId :
LF017MW004-150601

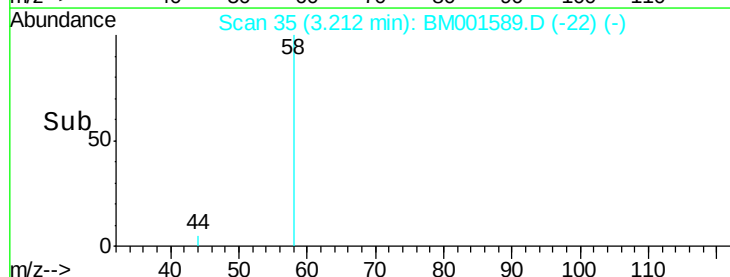
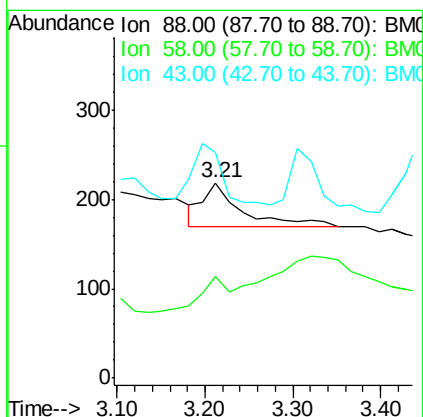
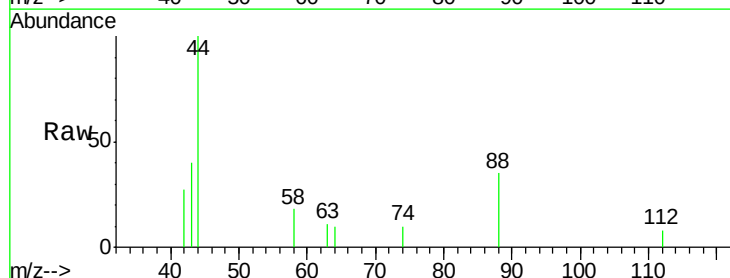
Tgt Ion: 152 Resp: 30469
Ion Ratio Lower Upper
152 100
150 152.8 126.6 190.0
115 60.3 51.6 77.4

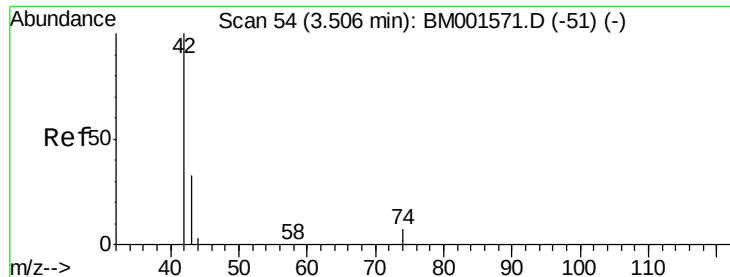


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.21 min Scan# 35
Delta R.T. -0.00 min
Lab File: BM001589.D
Acq: 06 Jun 2015 11:40

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
58 56.5 66.1 99.1#
43 101.3 32.3 48.5#





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.44 min Scan# 50

Delta R.T. -0.06 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

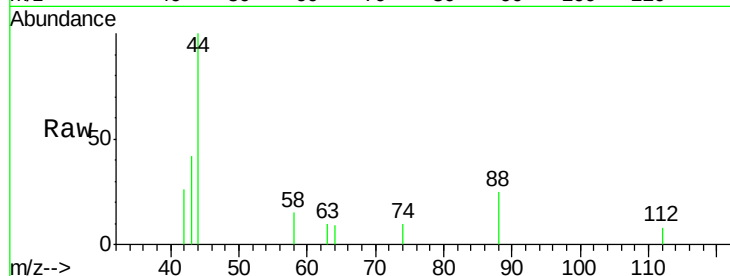
Tgt Ion: 42 Resp: 139

Ion Ratio Lower Upper

42 100

74 2.9 77.2 115.8#

44 87.8 7.4 11.2#

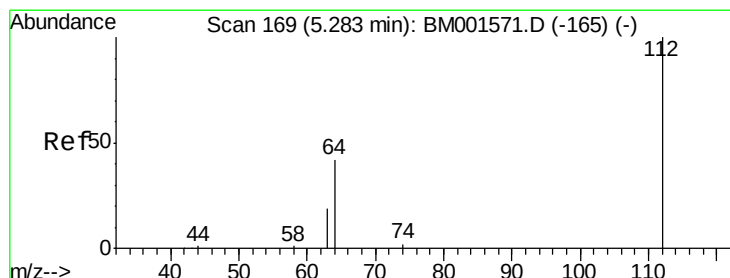
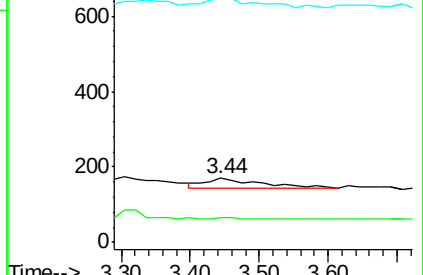
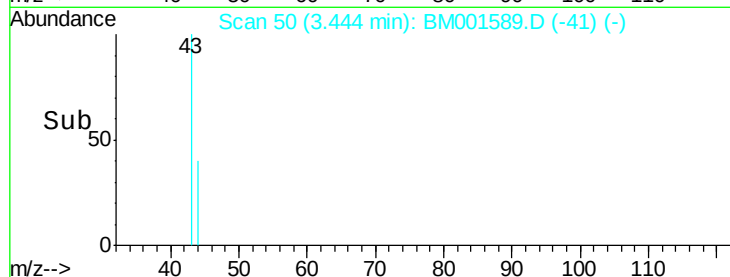


Abundance Ion 42.00 (41.70 to 42.70): BM001571.D (-51) (-)

Ion 74.00 (73.70 to 74.70): BM001571.D (-51) (-)

Ion 44.00 (43.70 to 44.70): BM001571.D (-51) (-)

Time-->



#4

2-Fluorophenol

Concen: 2.12 ng

RT: 5.28 min Scan# 169

Delta R.T. 0.02 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

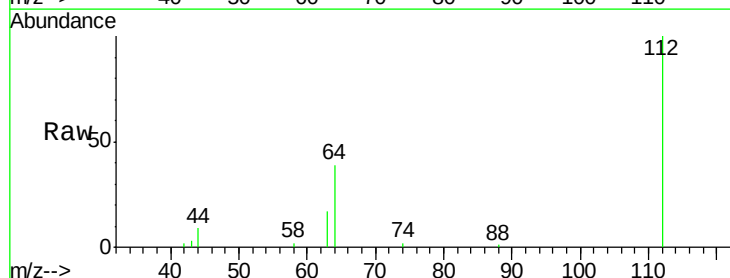
Tgt Ion: 112 Resp: 14300

Ion Ratio Lower Upper

112 100

64 67.0 53.3 79.9

63 36.3 29.7 44.5

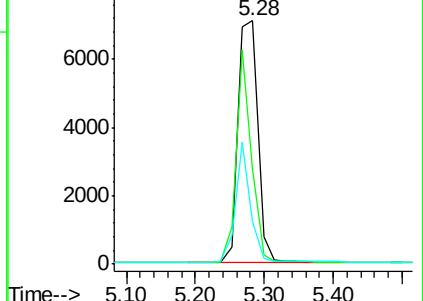
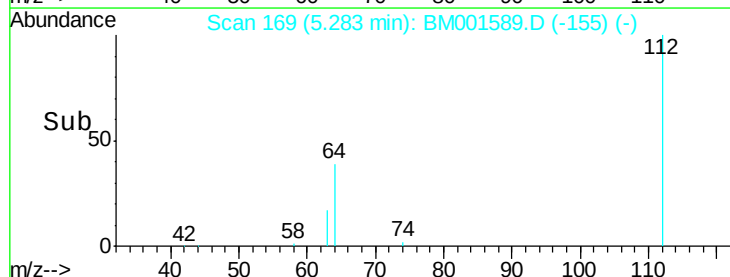


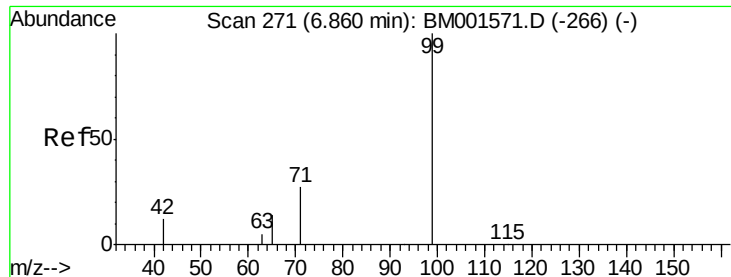
Abundance Ion 112.00 (111.70 to 112.70): BM001571.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001571.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001571.D (-165) (-)

Time-->





#5

Phenol-d6

Concen: 1.45 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

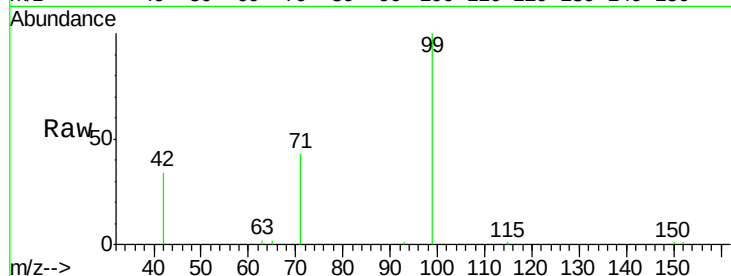
Tgt Ion: 99 Resp: 11968

Ion Ratio Lower Upper

99 100

42 24.7 21.4 32.2

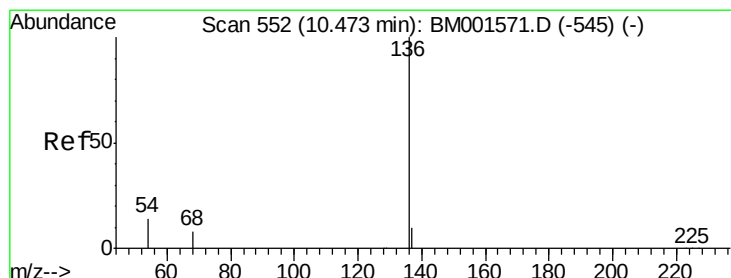
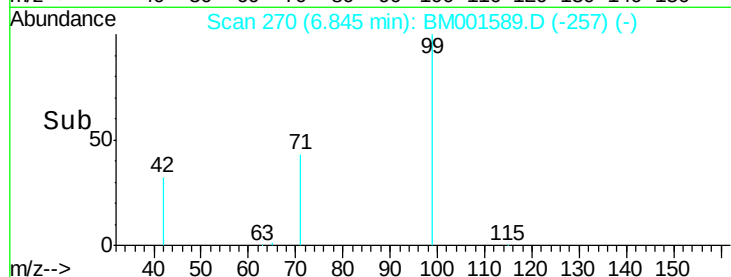
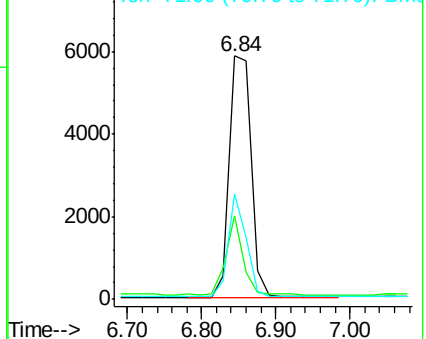
71 35.2 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BM001571.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001571.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001571.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Tgt Ion: 136 Resp: 111772

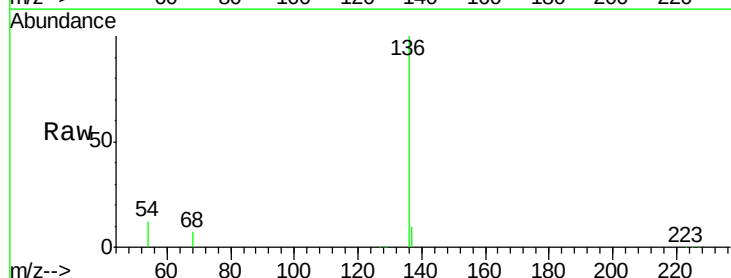
Ion Ratio Lower Upper

136 100

137 10.2 8.1 12.1

54 11.8 11.7 17.5

68 7.2 6.6 9.8

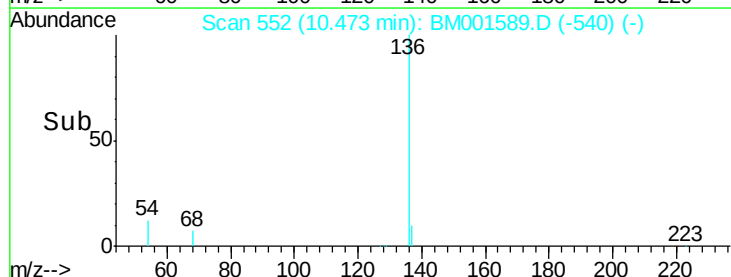
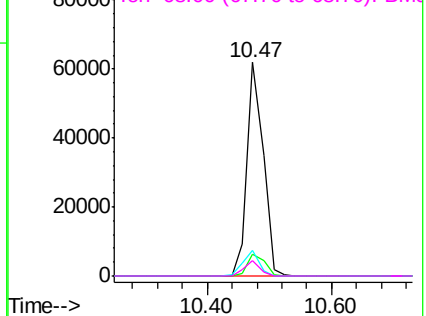


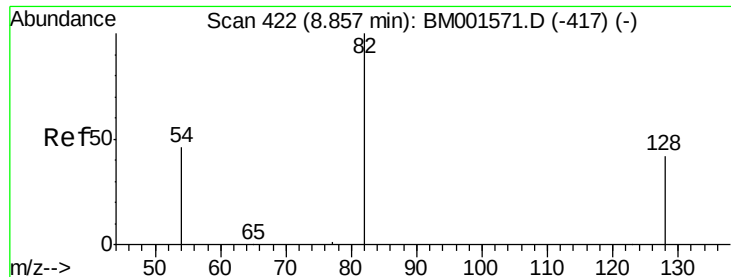
Abundance Ion 136.00 (135.70 to 136.70): BM001571.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM001571.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM001571.D (-545) (-)





#7

Nitrobenzene-d5

Concen: 4.71 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

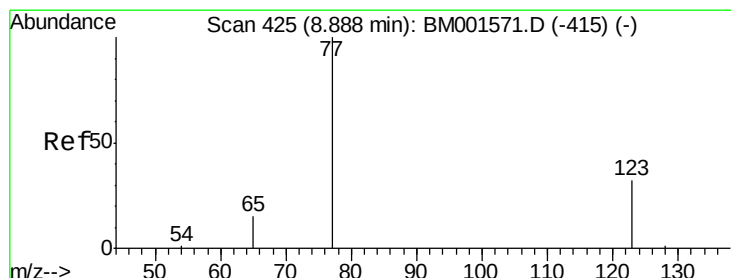
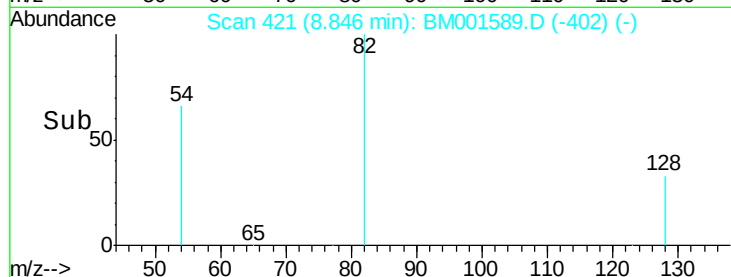
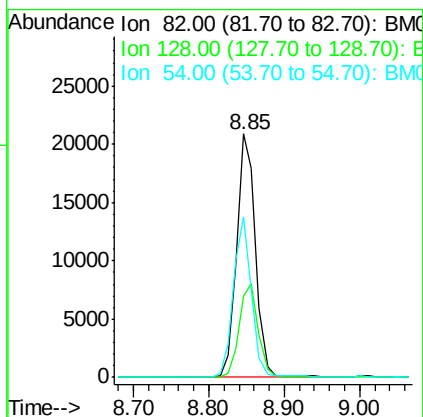
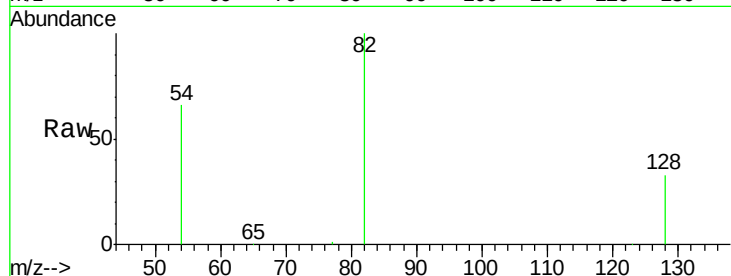
Tgt Ion: 82 Resp: 35874

Ion Ratio Lower Upper

82 100

128 33.2 34.1 51.1#

54 65.9 37.8 56.6#



#8

Nitrobenzene

Concen: 0.02 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

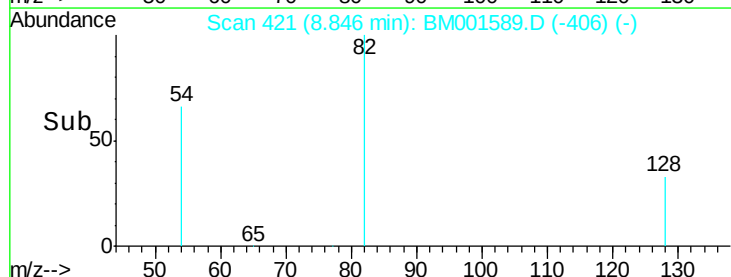
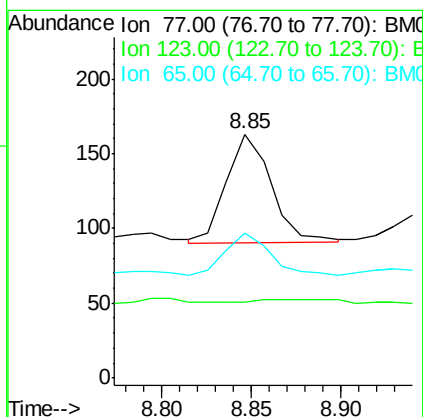
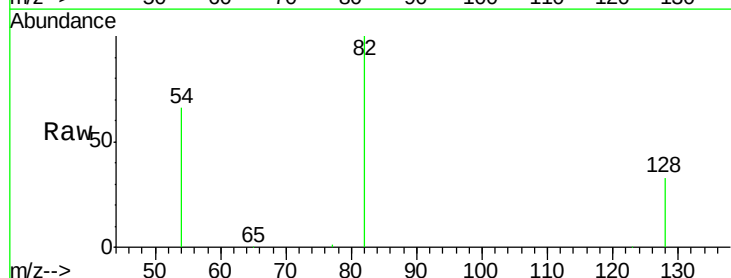
Tgt Ion: 77 Resp: 126

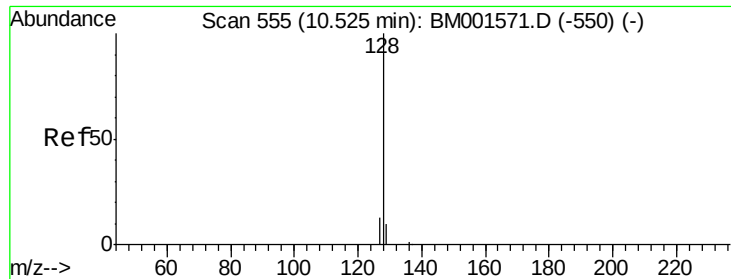
Ion Ratio Lower Upper

77 100

123 5.6 31.7 47.5#

65 45.2 11.4 17.0#





#9

Naphthalene

Concen: 0.01 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

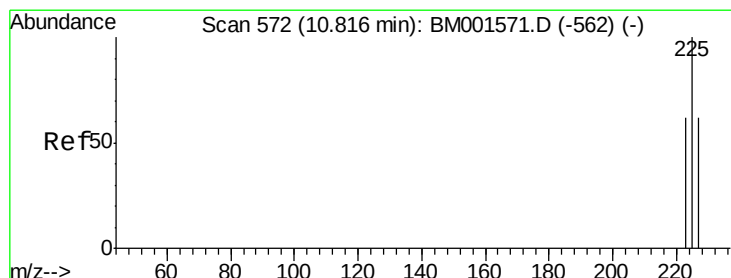
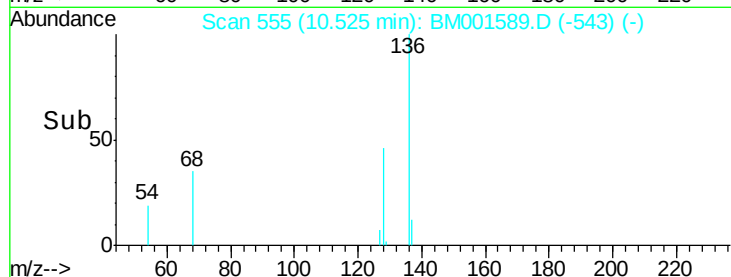
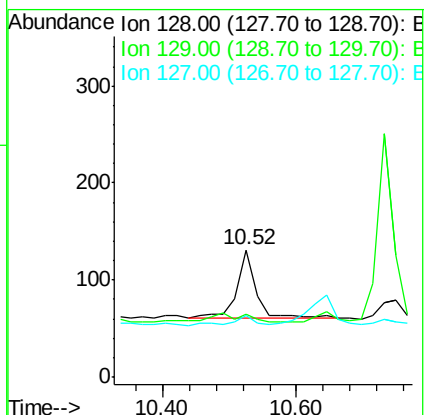
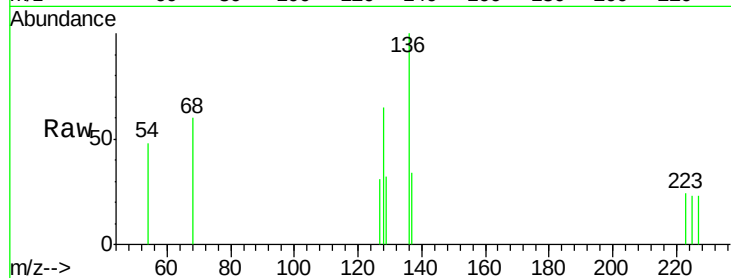
Tgt Ion:128 Resp: 135

Ion Ratio Lower Upper

128 100

129 49.6 8.7 13.1#

127 48.1 10.7 16.1#



#10

Hexachlorobutadiene

Concen: 0.00 ng

RT: 10.66 min Scan# 563

Delta R.T. -0.15 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

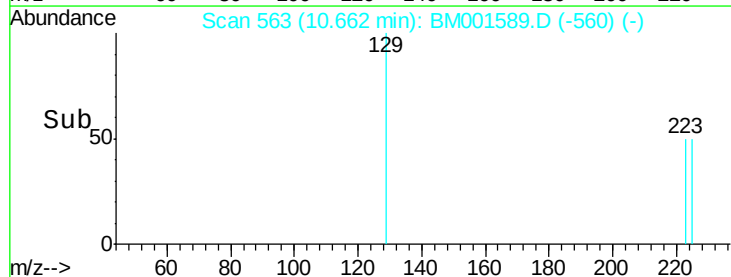
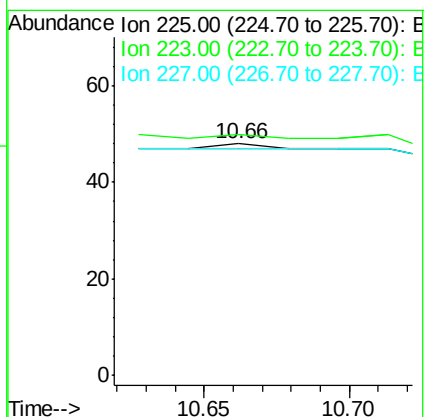
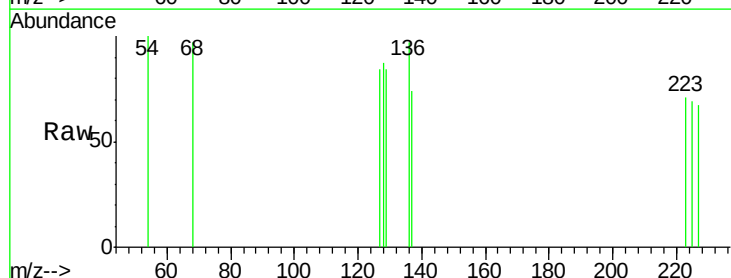
Tgt Ion:225 Resp: 1

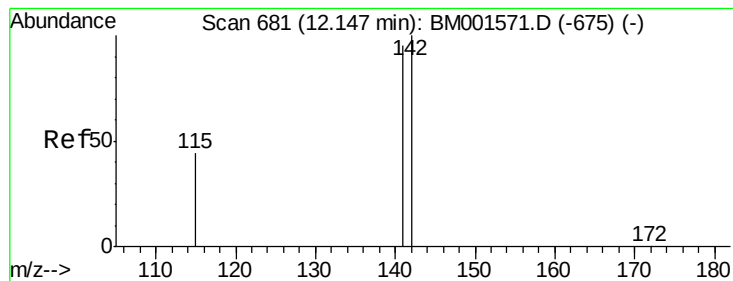
Ion Ratio Lower Upper

225 100

223 0.0 50.4 75.6#

227 0.0 50.8 76.2#





#11

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

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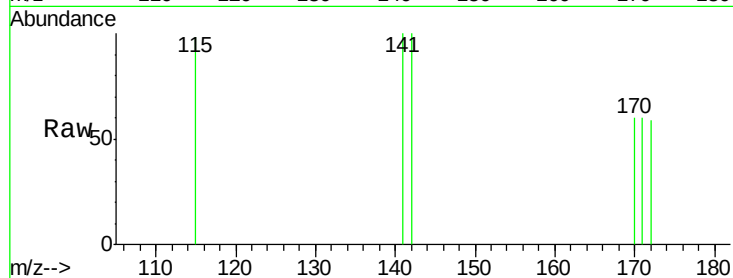
Tgt Ion:142 Resp: 58

Ion Ratio Lower Upper

142 100

141 100.0 75.6 113.4

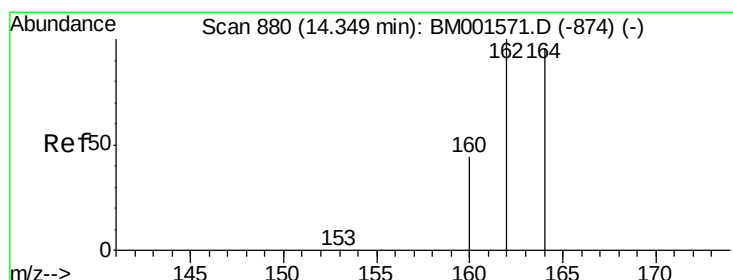
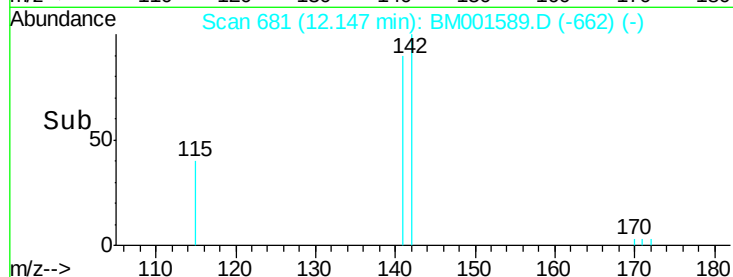
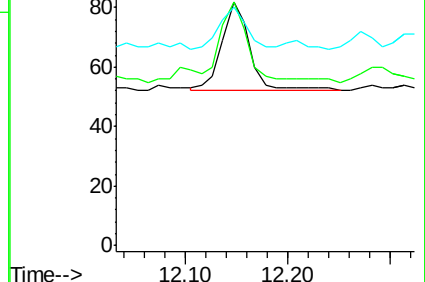
115 97.6 35.5 53.3#



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

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

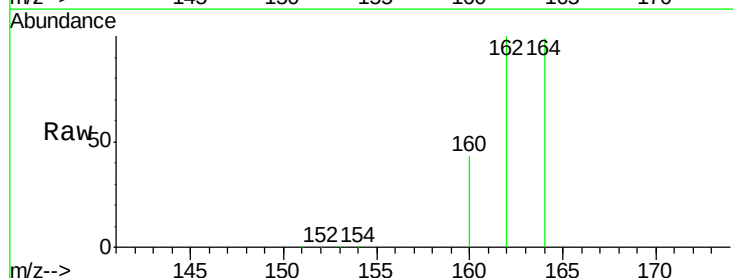
Tgt Ion:164 Resp: 52745

Ion Ratio Lower Upper

164 100

162 100.8 83.8 125.6

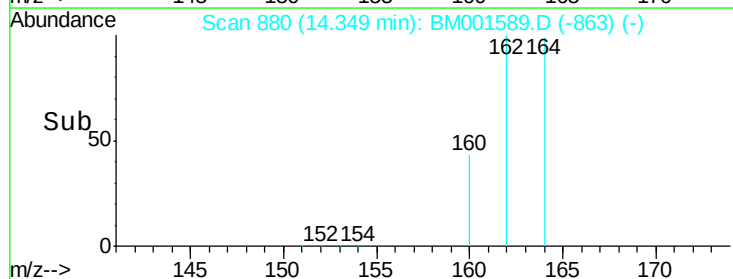
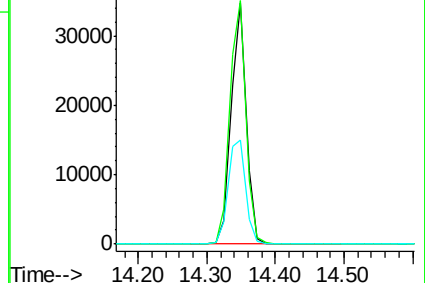
160 43.3 37.1 55.7

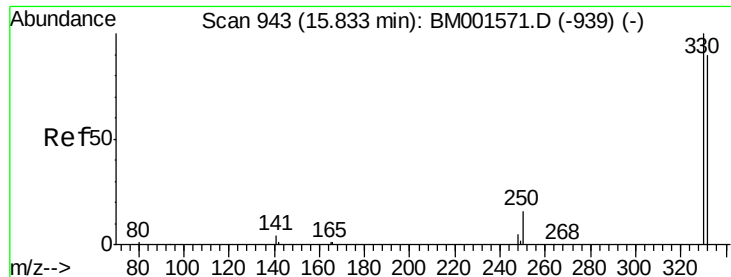


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

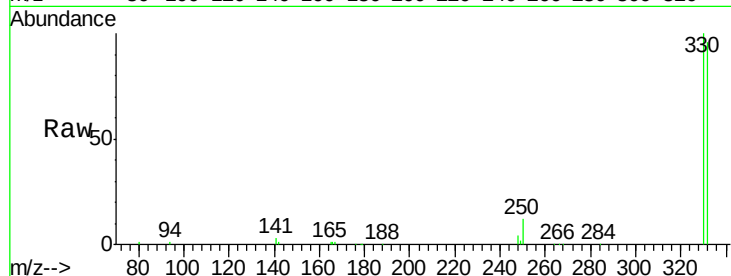




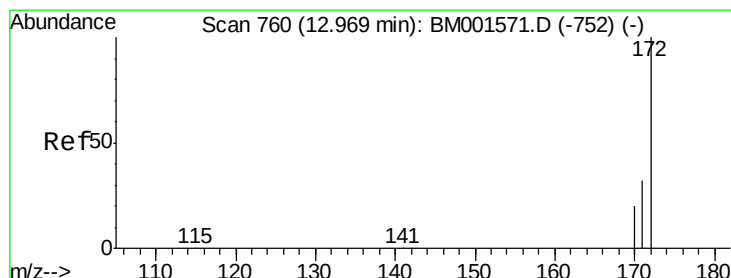
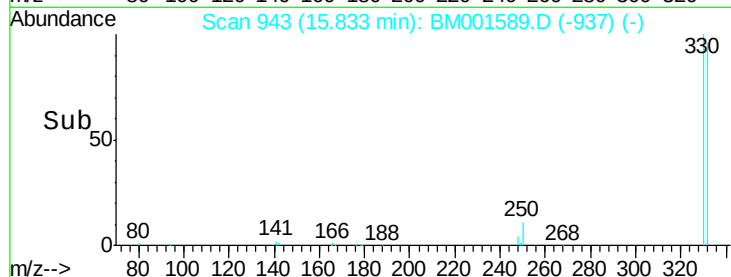
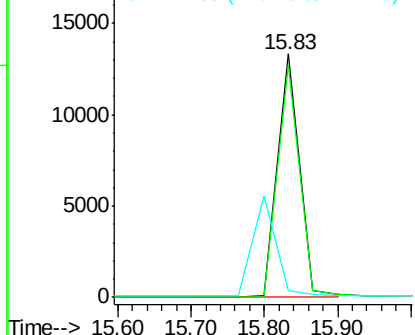
#13
 2,4,6-Tribromophenol
 Concen: 11.13 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001589.D
 Acq: 06 Jun 2015 11:40

Instrument :
 BNA_M
 ClientSampleId :
 LF017MW004-150601

Tgt Ion:330 Resp: 28080
 Ion Ratio Lower Upper
 330 100
 332 95.8 72.0 108.0
 141 0.0 0.0 0.0

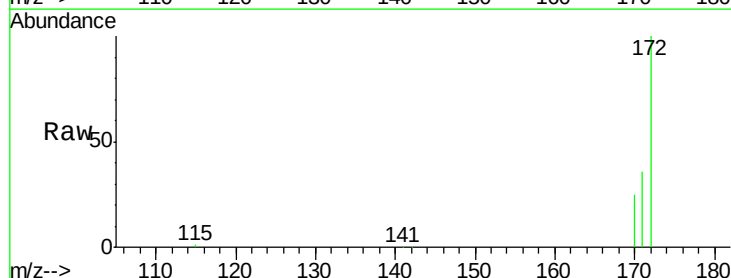


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

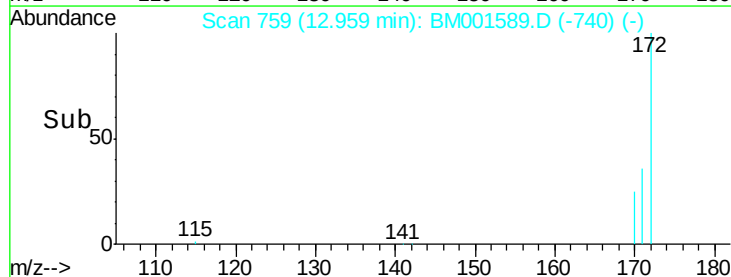
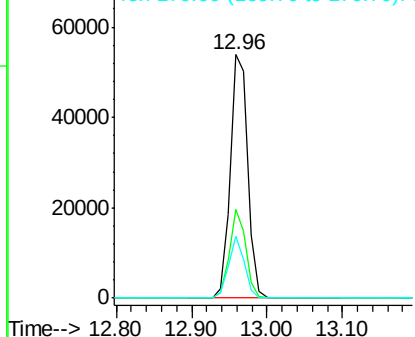


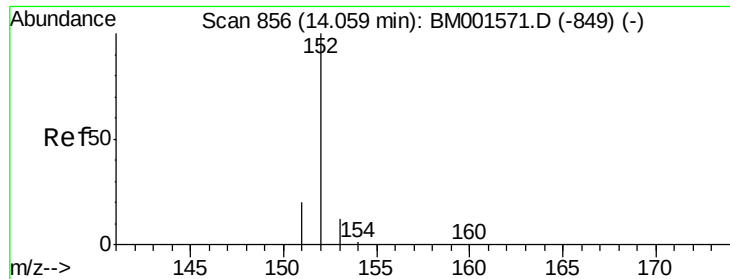
#14
 2-Fluorobiphenyl
 Concen: 5.41 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001589.D
 Acq: 06 Jun 2015 11:40

Tgt Ion:172 Resp: 87969
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.2 39.2
 170 25.4 16.1 24.1#



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





#15

Acenaphthylene

Concen: 0.00 ng

RT: 14.06 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

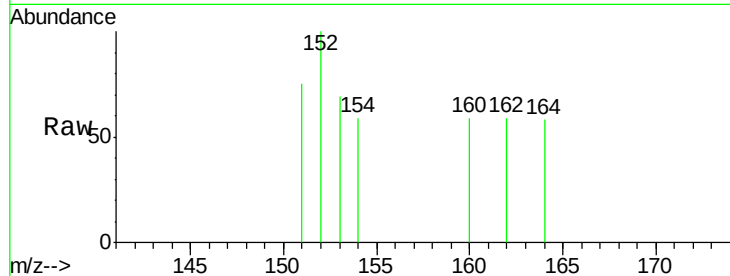
Tgt Ion:152 Resp: 57

Ion Ratio Lower Upper

152 100

151 31.6 15.2 22.8#

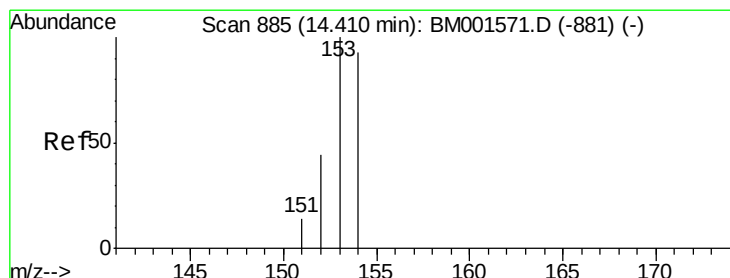
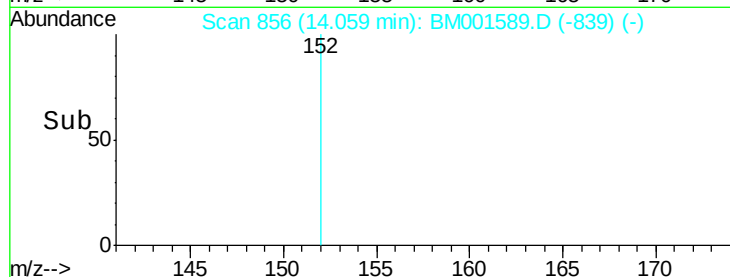
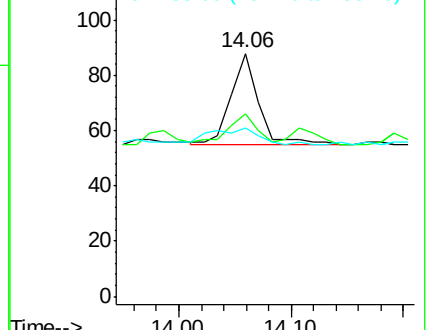
153 31.6 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.01 ng

RT: 14.41 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

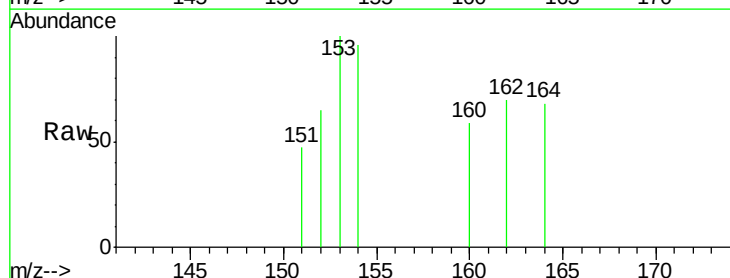
Tgt Ion:154 Resp: 148

Ion Ratio Lower Upper

154 100

153 115.5 89.1 133.7

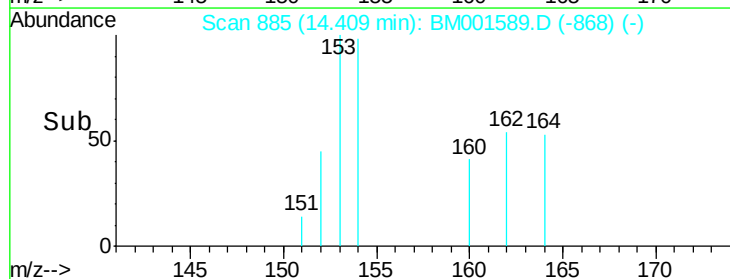
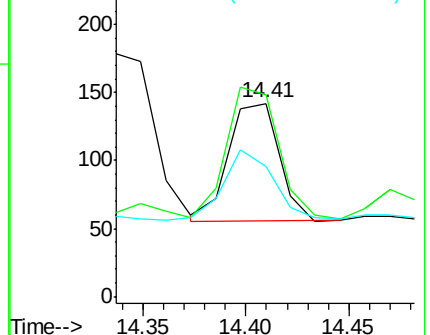
152 60.1 43.2 64.8

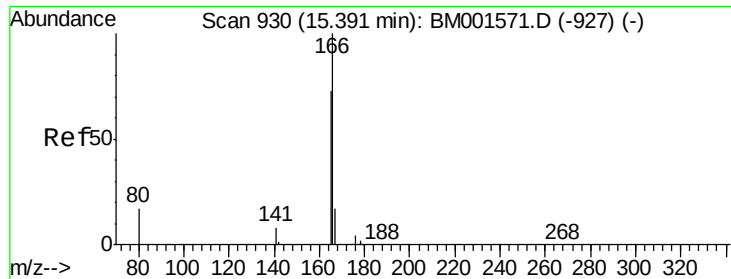


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.01 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

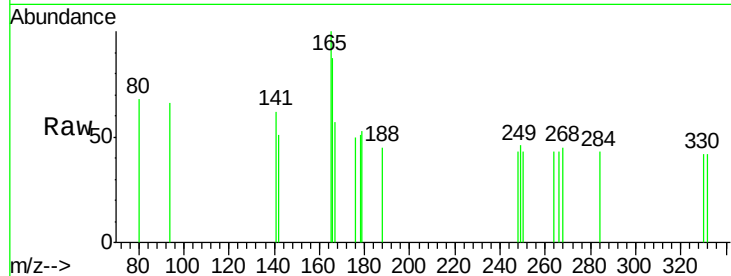
Tgt Ion:166 Resp: 135

Ion Ratio Lower Upper

166 100

165 77.0 0.0 0.0#

167 24.4 11.3 16.9#



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

15.36

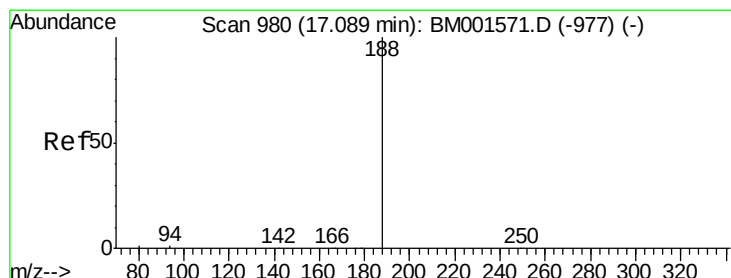
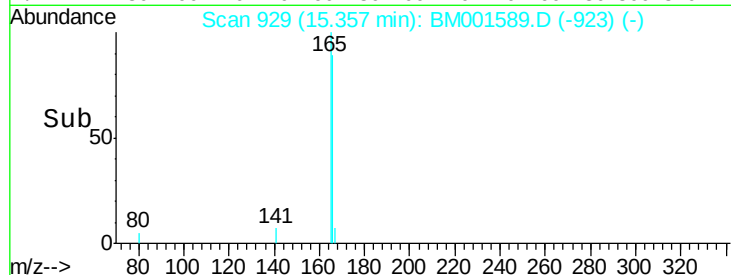
100

50

0

15.30 15.40

Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

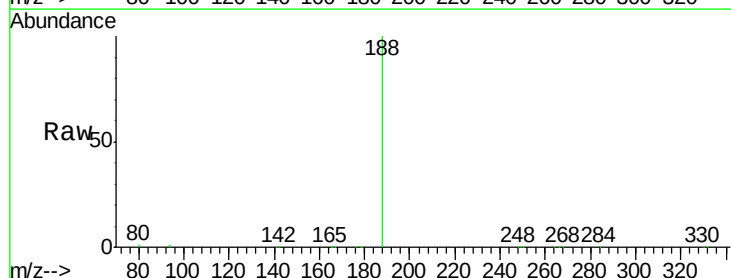
Tgt Ion:188 Resp: 68665

Ion Ratio Lower Upper

188 100

94 1.1 0.7 1.1

80 1.0 0.6 1.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

17.09

30000

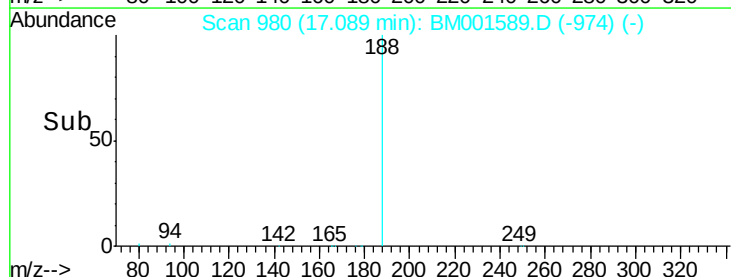
20000

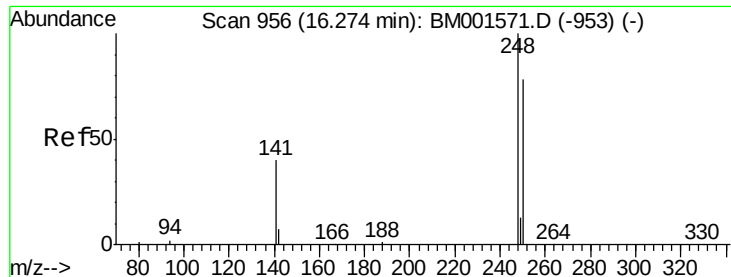
10000

0

17.00 17.10 17.20

Time-->

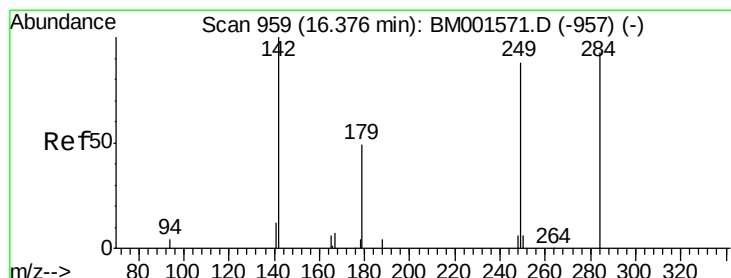
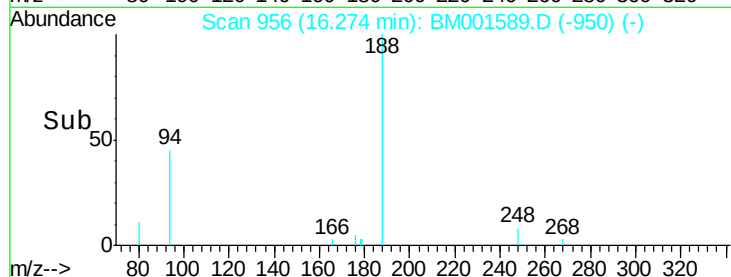
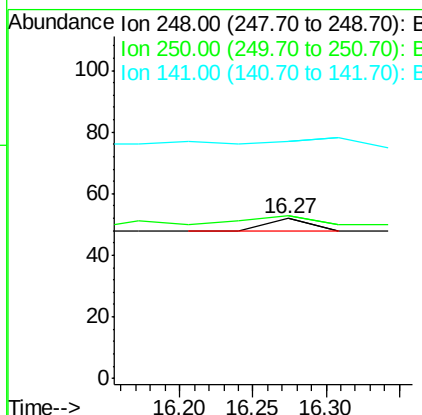
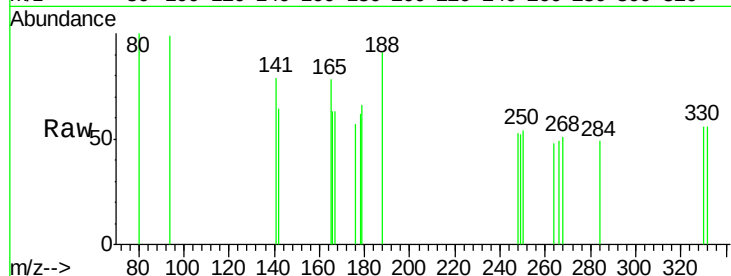




#19
4-Bromophenyl-phenylether
Concen: 0.08 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001589.D
Acq: 06 Jun 2015 11:40

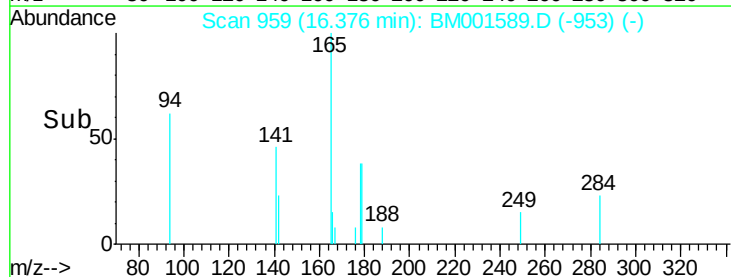
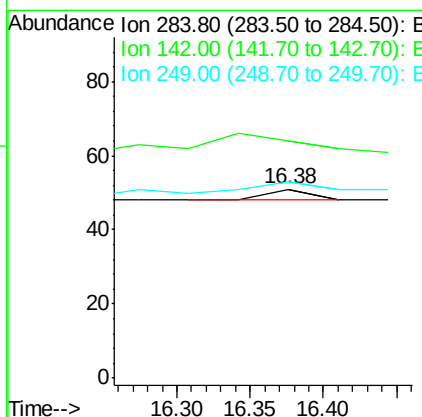
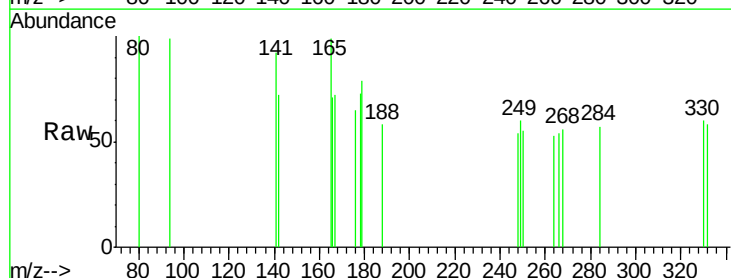
Instrument :
BNA_M
ClientSampleId :
LF017MW004-150601

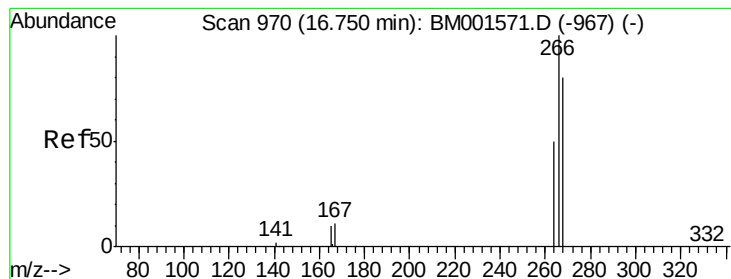
Tgt Ion: 248 Resp: 8
Ion Ratio Lower Upper
248 100
250 100.0 63.1 94.7#
141 0.0 35.0 52.6#



#20
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001589.D
Acq: 06 Jun 2015 11:40

Tgt Ion: 284 Resp: 6
Ion Ratio Lower Upper
284 100
142 0.0 64.2 96.2#
249 166.7 55.4 83.0#





#21

Pentachlorophenol

Concen: 0.05 ng

RT: 16.72 min Scan# 969

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

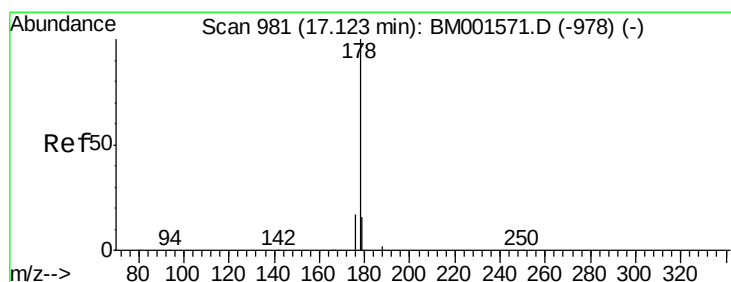
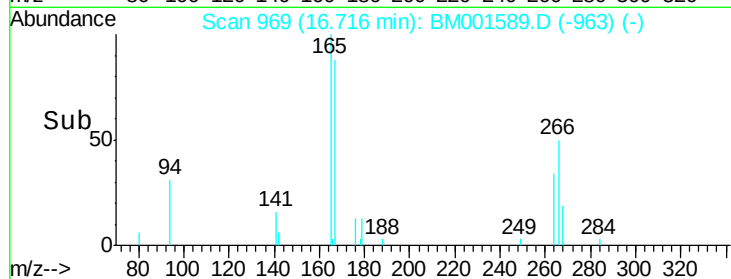
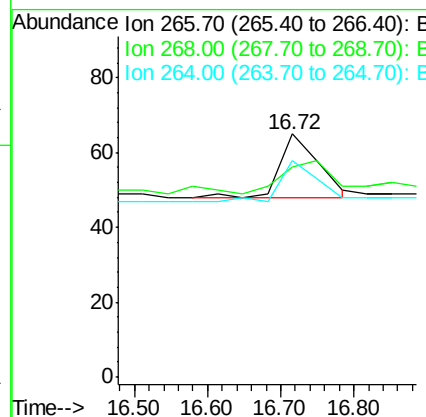
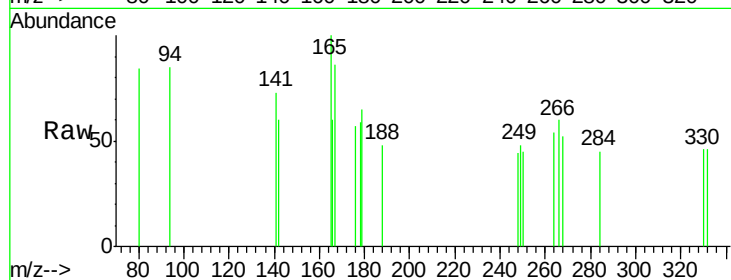
Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

Tgt Ion:	266	Resp:	63
Ion	Ratio	Lower	Upper
266	100		
268	86.2	66.3	99.5
264	89.2	45.5	68.3#



#22

Phenanthrene

Concen: 0.01 ng

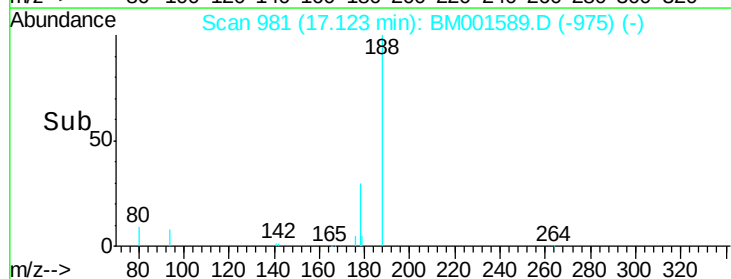
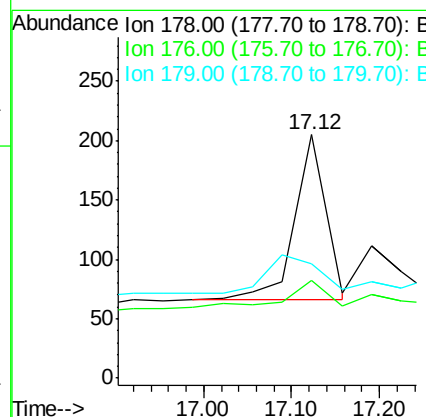
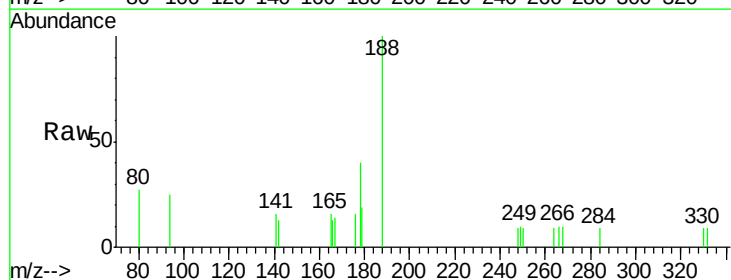
RT: 17.12 min Scan# 981

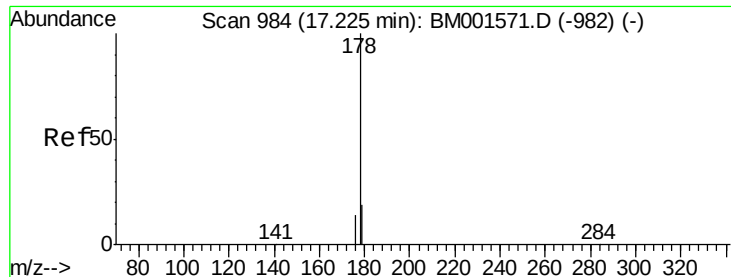
Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Tgt Ion:	178	Resp:	342
Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.5	20.3
179	0.0	13.3	19.9#





#23

Anthracene

Concen: 0.04 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

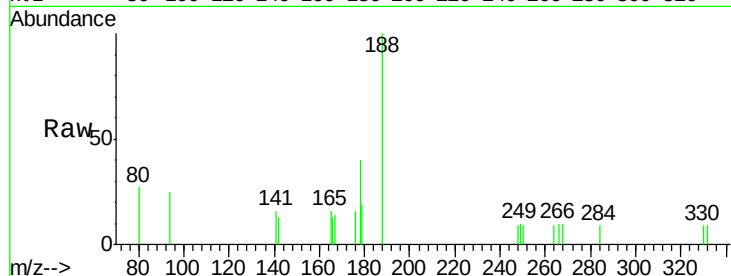
Tgt Ion:178 Resp: 401

Ion Ratio Lower Upper

178 100

176 16.7 45.9 68.9#

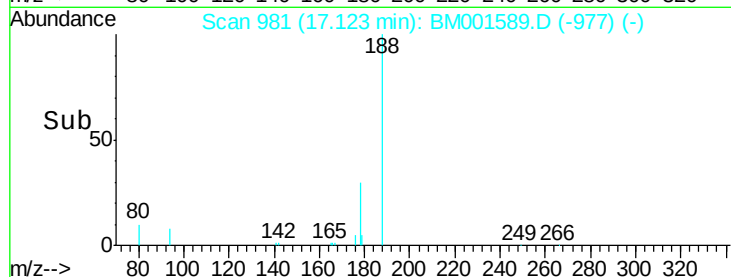
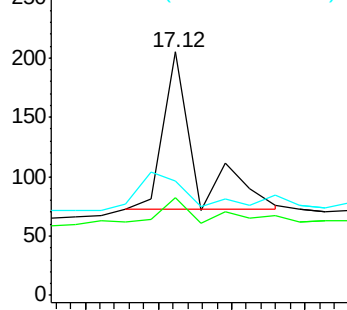
179 0.0 33.3 49.9#



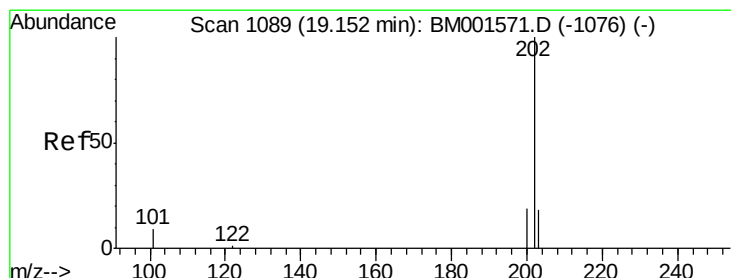
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Fluoranthene

Concen: 0.01 ng

RT: 19.15 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

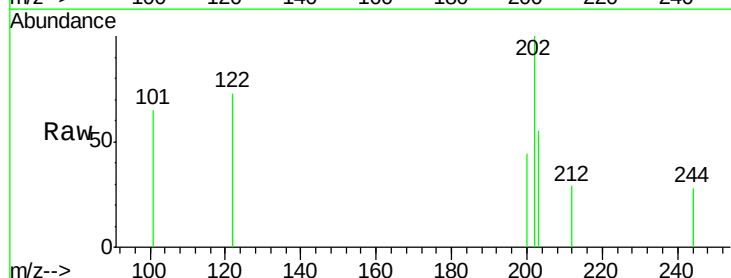
Tgt Ion:202 Resp: 220

Ion Ratio Lower Upper

202 100

101 88.2 10.0 15.0#

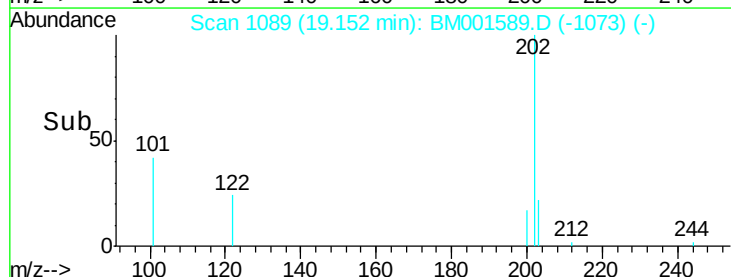
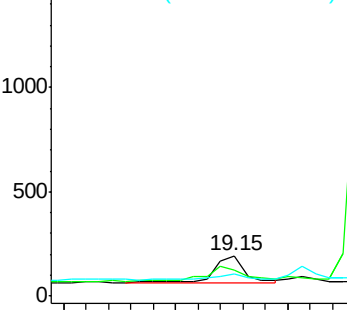
203 27.3 13.9 20.9#



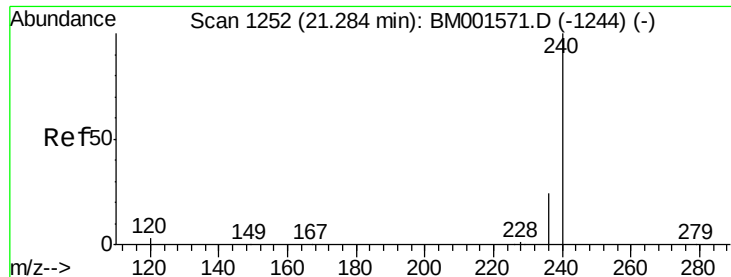
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

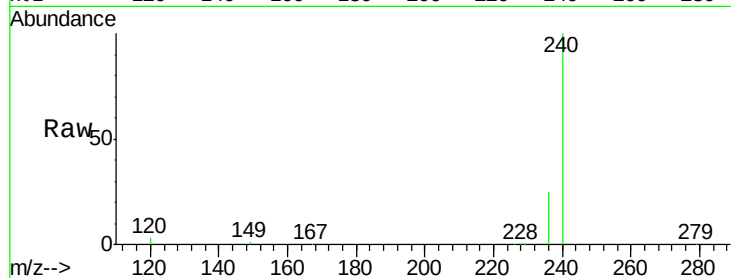
Tgt Ion:240 Resp: 73929

Ion Ratio Lower Upper

240 100

120 3.3 2.2 3.2#

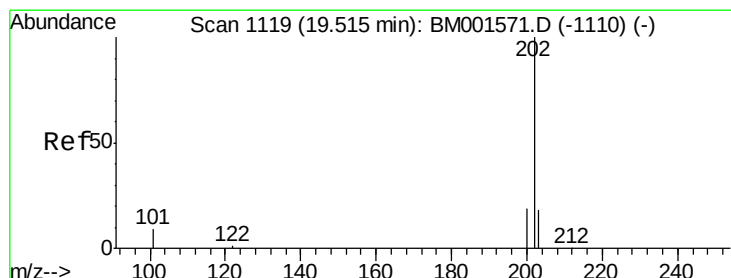
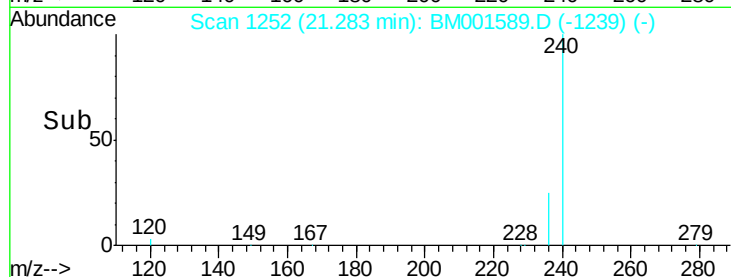
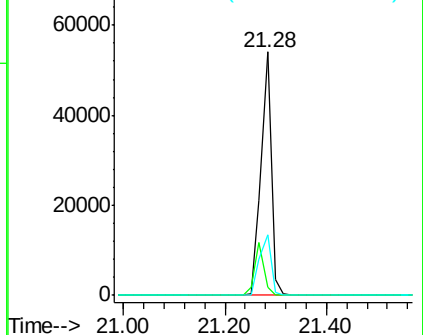
236 25.0 19.5 29.3



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



#26

Pyrene

Concen: 0.00 ng

RT: 19.44 min Scan# 1113

Delta R.T. -0.07 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

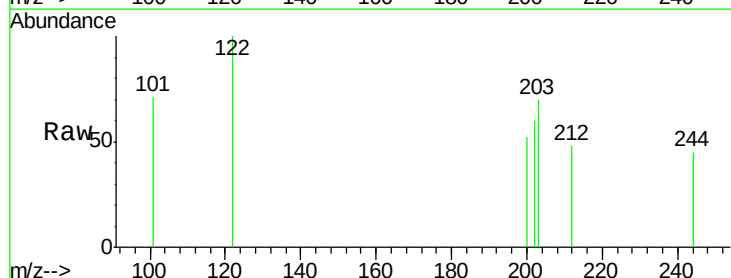
Tgt Ion:202 Resp: 21

Ion Ratio Lower Upper

202 100

200 23.8 16.6 24.8

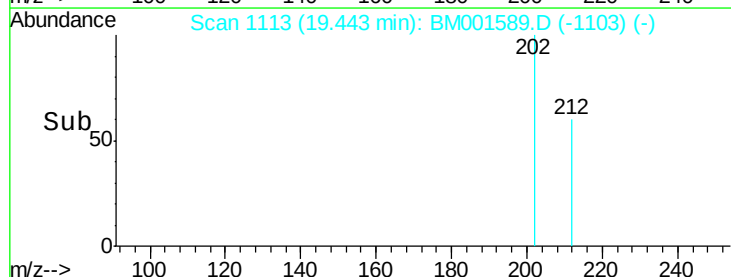
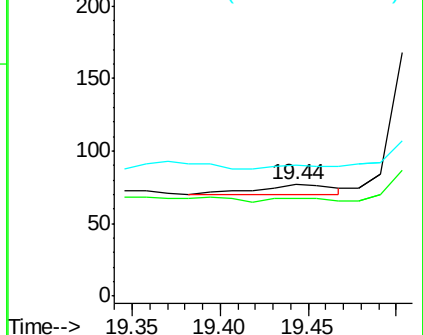
203 14.3 13.9 20.9

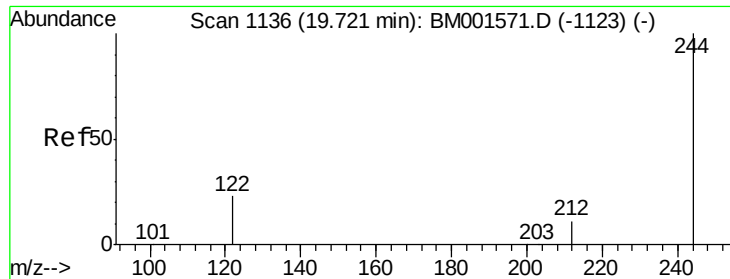


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 8.18 ng

RT: 19.72 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

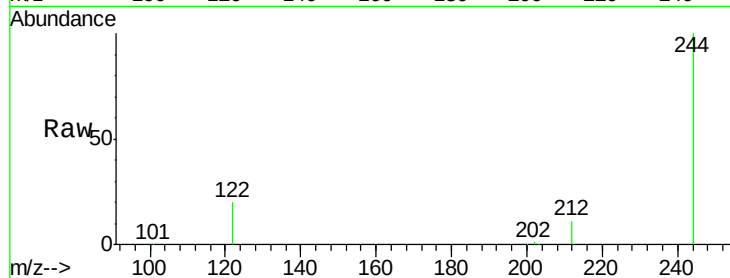
Tgt Ion:244 Resp: 78121

Ion Ratio Lower Upper

244 100

212 11.0 9.6 14.4

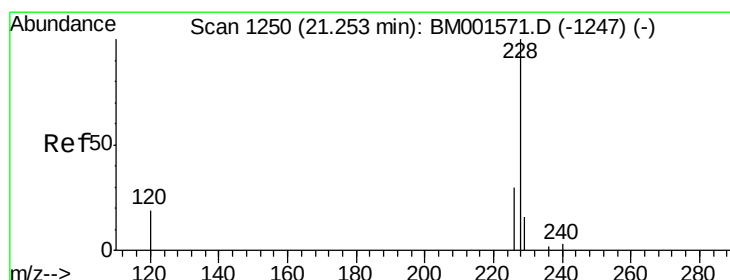
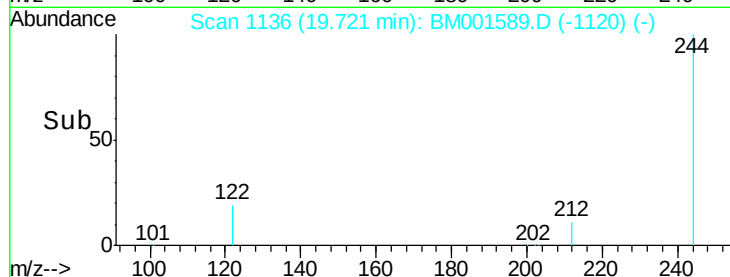
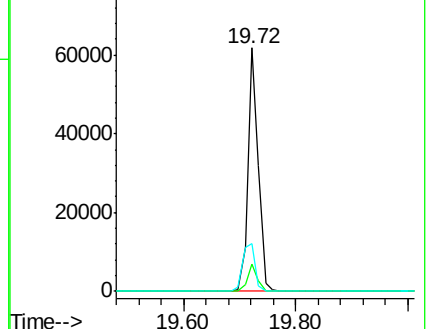
122 19.6 19.0 28.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

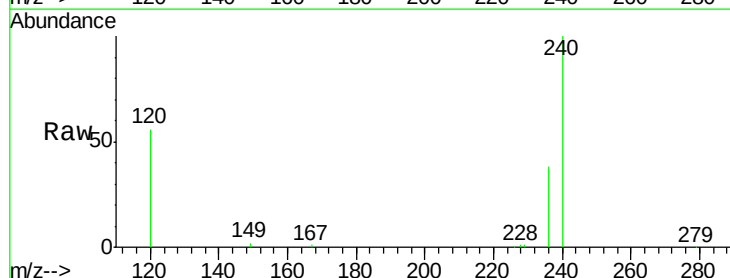
Tgt Ion:228 Resp: 623

Ion Ratio Lower Upper

228 100

226 34.9 24.8 37.2

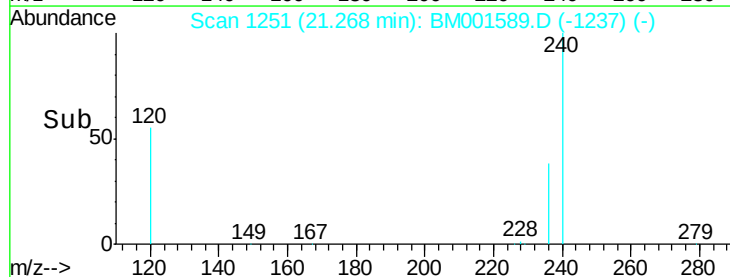
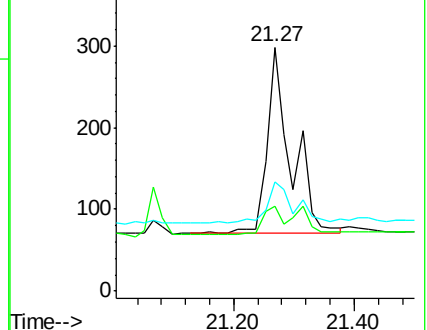
229 44.6 13.4 20.0#

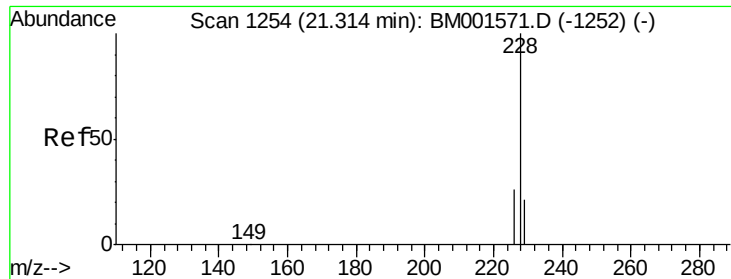


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.05 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

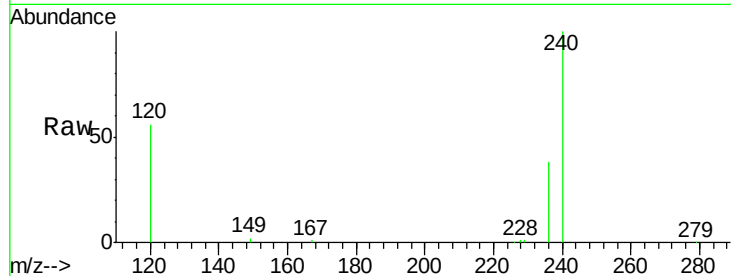
Tgt Ion:228 Resp: 643

Ion Ratio Lower Upper

228 100

226 34.9 21.0 31.6#

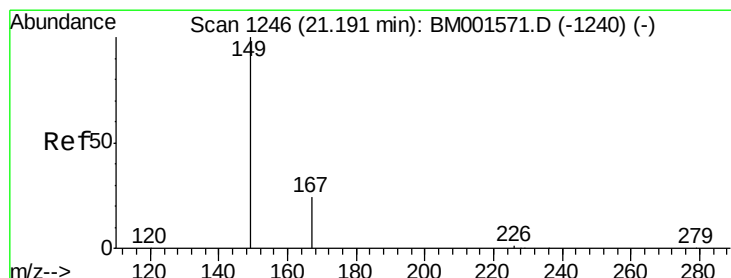
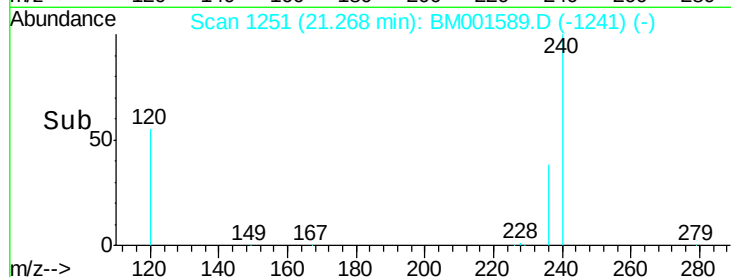
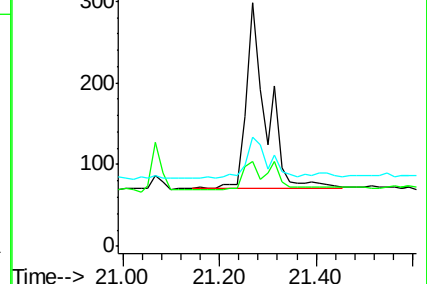
229 44.6 17.2 25.8#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.35 ng

RT: 21.19 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

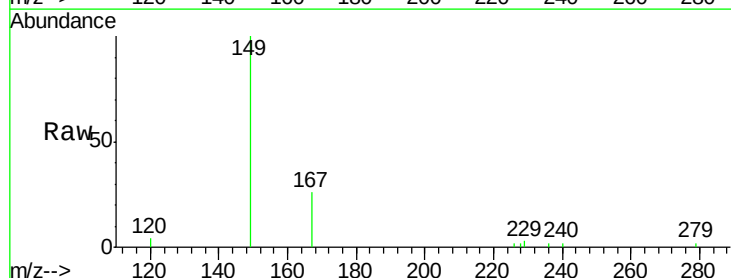
Tgt Ion:149 Resp: 3451

Ion Ratio Lower Upper

149 100

167 25.1 20.2 30.2

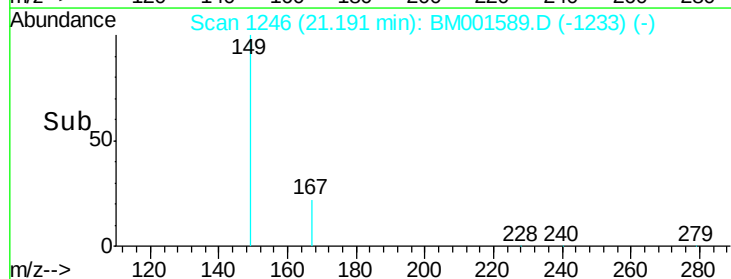
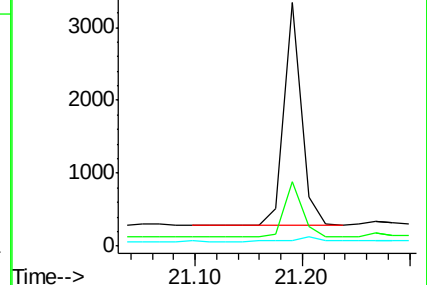
279 2.5 1.8 2.6

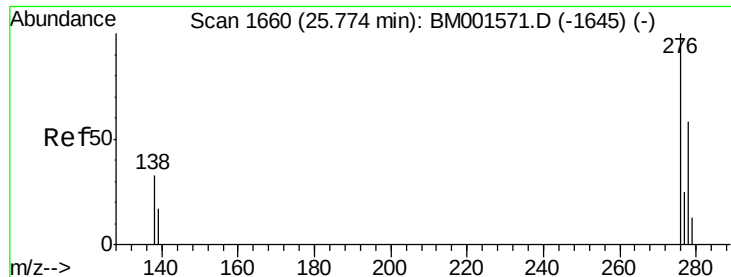


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BM001589.D

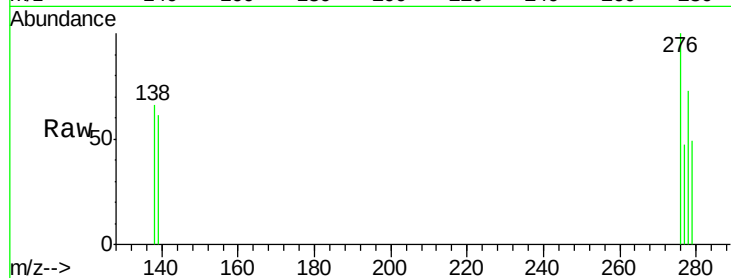
Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601



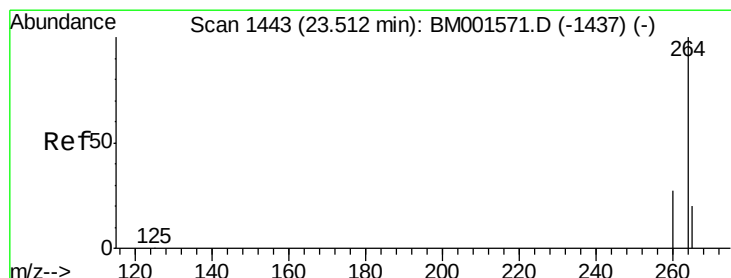
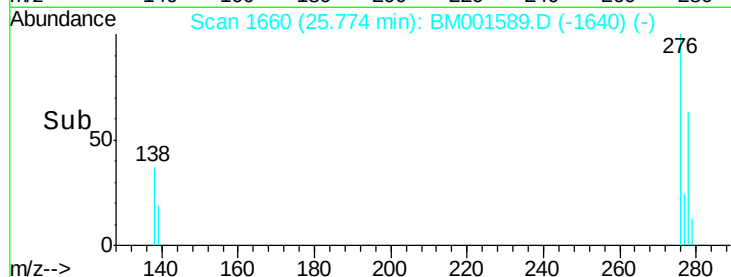
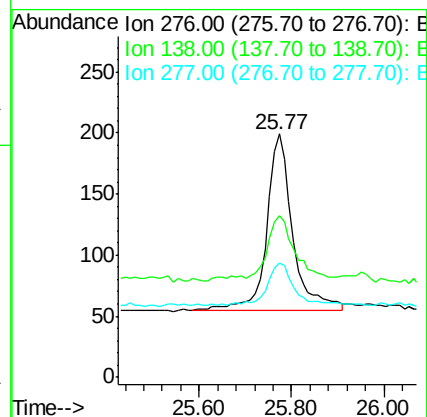
Tgt Ion:276 Resp: 559

Ion Ratio Lower Upper

276 100

138 36.3 28.0 42.0

277 24.3 19.7 29.5



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1444

Delta R.T. 0.01 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

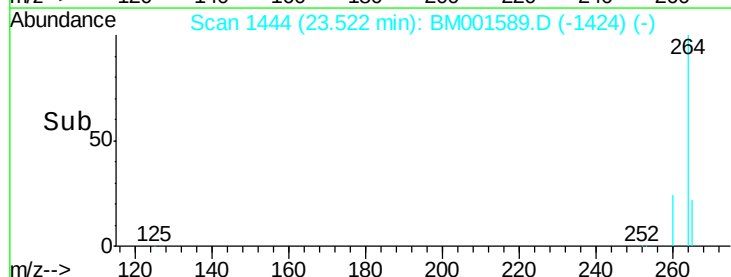
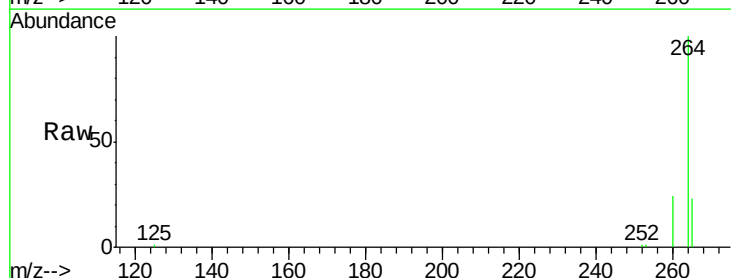
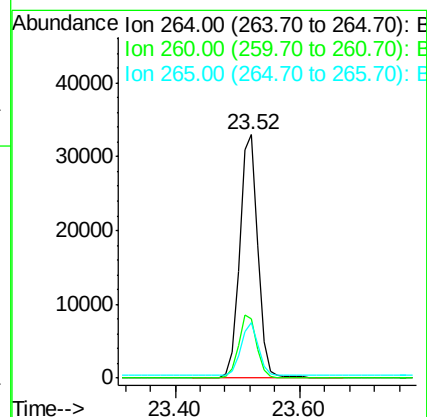
Tgt Ion:264 Resp: 66909

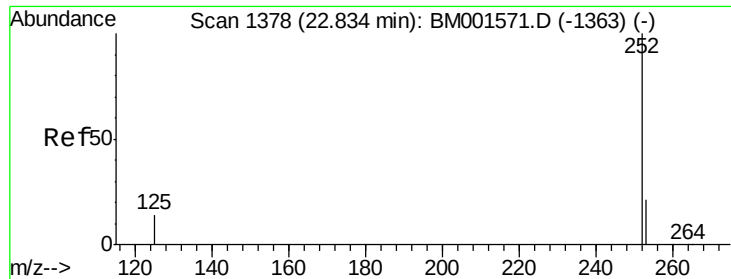
Ion Ratio Lower Upper

264 100

260 24.4 21.6 32.4

265 22.5 16.5 24.7





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

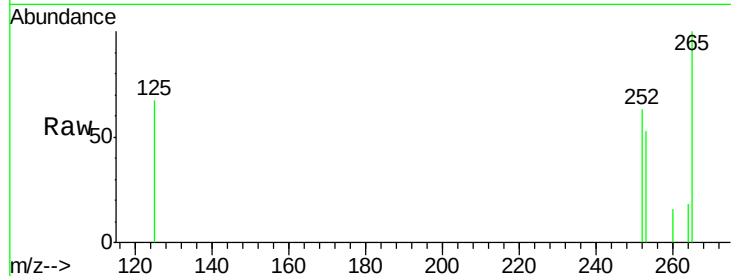
Tgt Ion:252 Resp: 308

Ion Ratio Lower Upper

252 100

253 84.9 17.4 26.2#

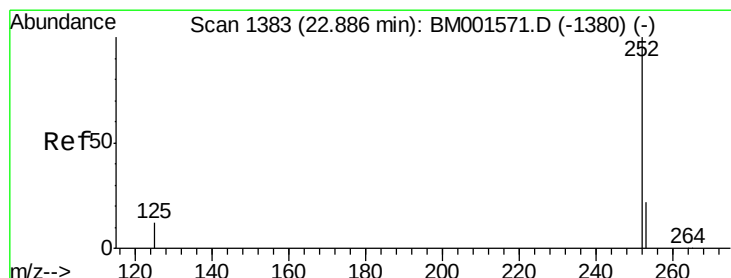
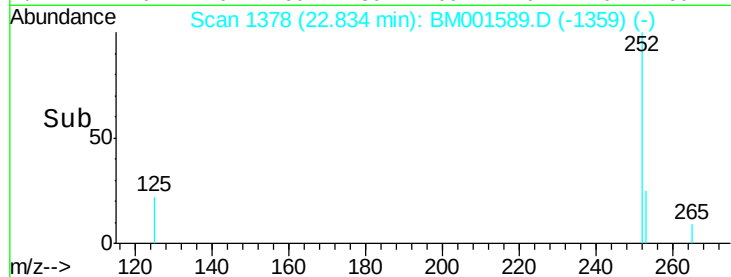
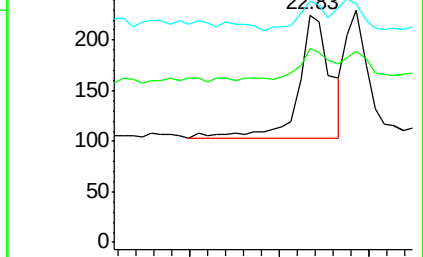
125 106.2 11.8 17.8#



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



#34

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.89 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

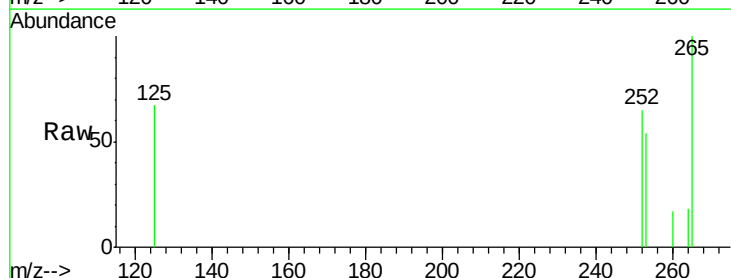
Tgt Ion:252 Resp: 206

Ion Ratio Lower Upper

252 100

253 82.2 18.8 28.2#

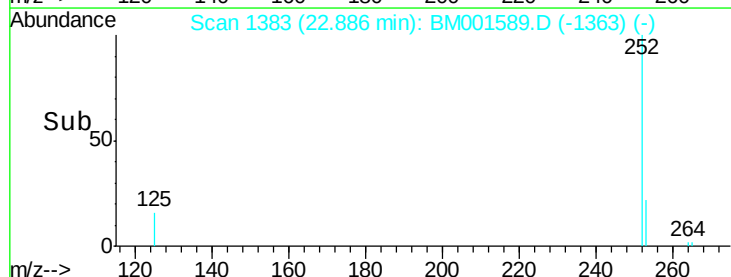
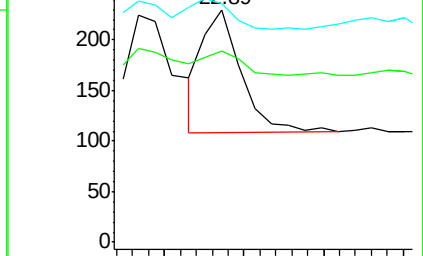
125 102.6 10.7 16.1#

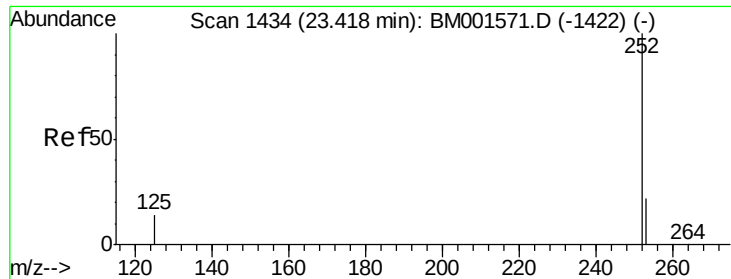


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601

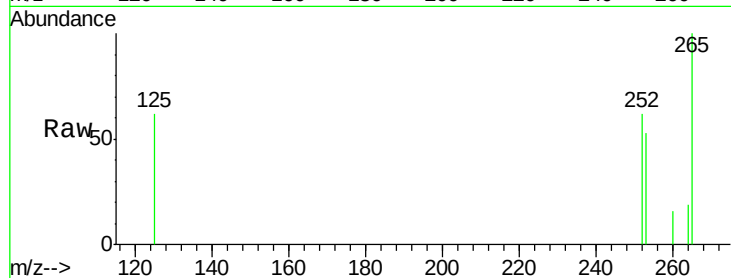
Tgt Ion: 252 Resp: 270

Ion Ratio Lower Upper

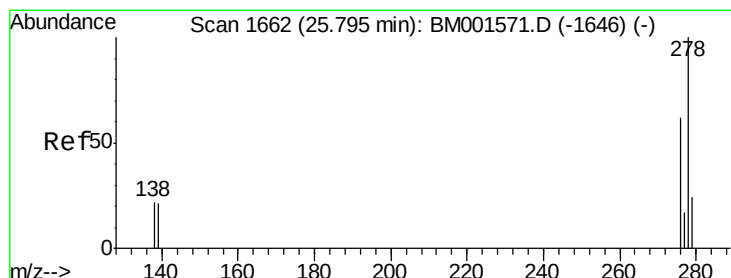
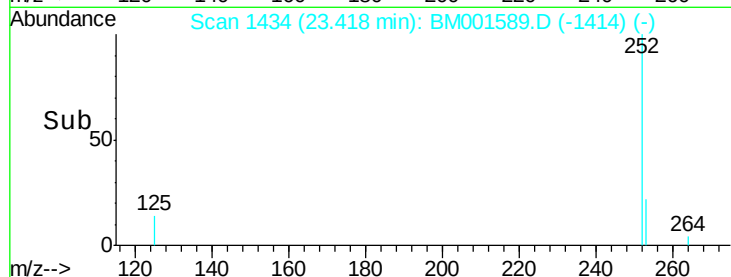
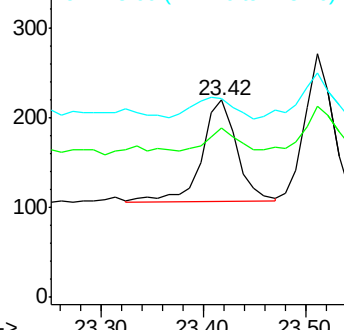
252 100

253 85.8 18.8 28.2#

125 100.9 12.1 18.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 25.79 min Scan# 1662

Delta R.T. 0.01 min

Lab File: BM001589.D

Acq: 06 Jun 2015 11:40

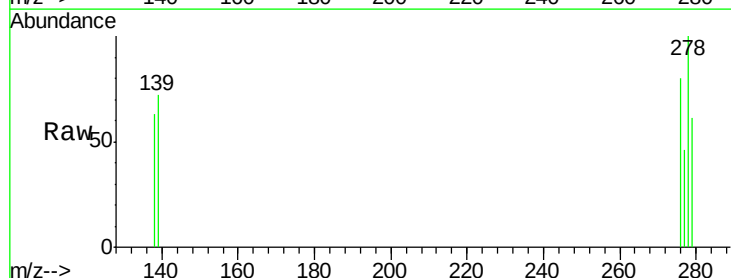
Tgt Ion: 278 Resp: 456

Ion Ratio Lower Upper

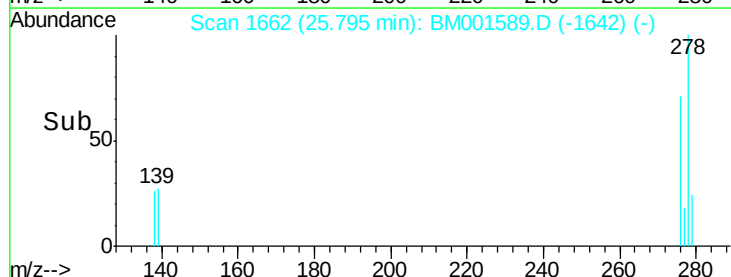
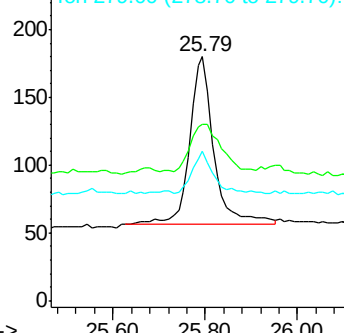
278 100

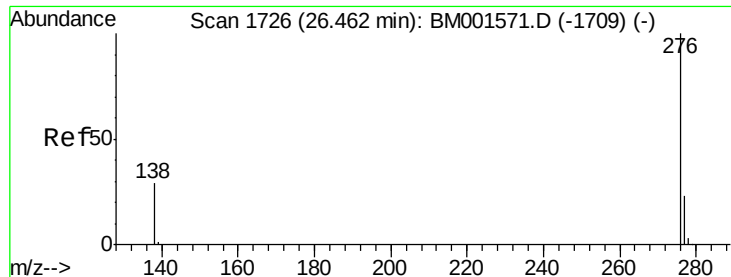
139 72.2 17.4 26.0#

279 61.1 20.0 30.0#



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





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.46 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BM001589.D

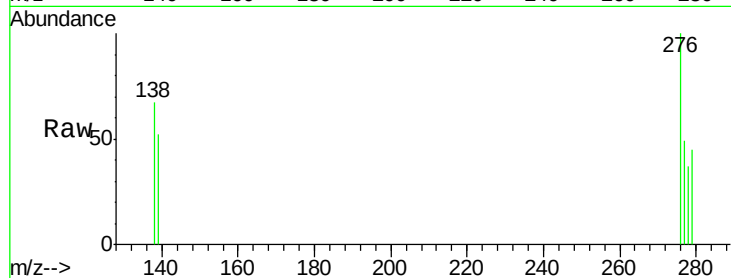
Acq: 06 Jun 2015 11:40

Instrument :

BNA_M

ClientSampleId :

LF017MW004-150601



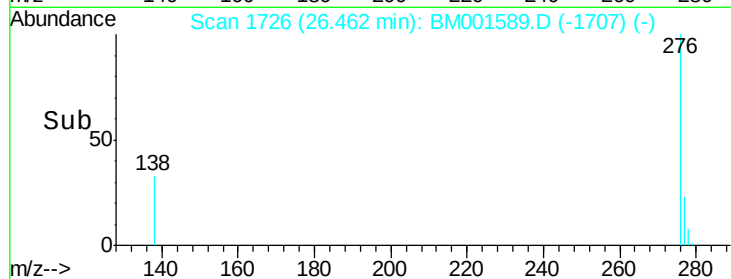
Tgt Ion: 276 Resp: 455

Ion Ratio Lower Upper

276 100

277 49.4 19.2 28.8#

138 67.0 23.7 35.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

