

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052215\
 Data File : BM001397.D
 Acq On : 23 May 2015 01:03
 Operator : TP/IZ
 Sample : PB83556BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83556BS

Quant Time: May 26 13:54:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM052215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 10:36:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	10498	5.00	ng	0.00
6) Naphthalene-d8	10.18	136	39724	5.00	ng	0.00
12) Acenaphthene-d10	14.08	164	23043	5.00	ng	0.00
18) Phenanthrene-d10	16.82	188	82521	5.00	ng	0.00
25) Chrysene-d12	21.04	240	50408	5.00	ng	0.00
32) Perylene-d12	23.13	264	43630	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	4.99	112	26161	12.61	ng	0.00
5) Phenol-d6	6.60	99	32696	13.59	ng	0.00
7) Nitrobenzene-d5	8.55	82	21215	9.25	ng	0.00
13) 2,4,6-Tribromophenol	15.59	330	8376	11.70	ng	0.00
14) 2-Fluorobiphenyl	12.69	172	60602	8.55	ng	0.00
27) Terphenyl-d14	19.48	244	56651	8.30	ng	-0.01

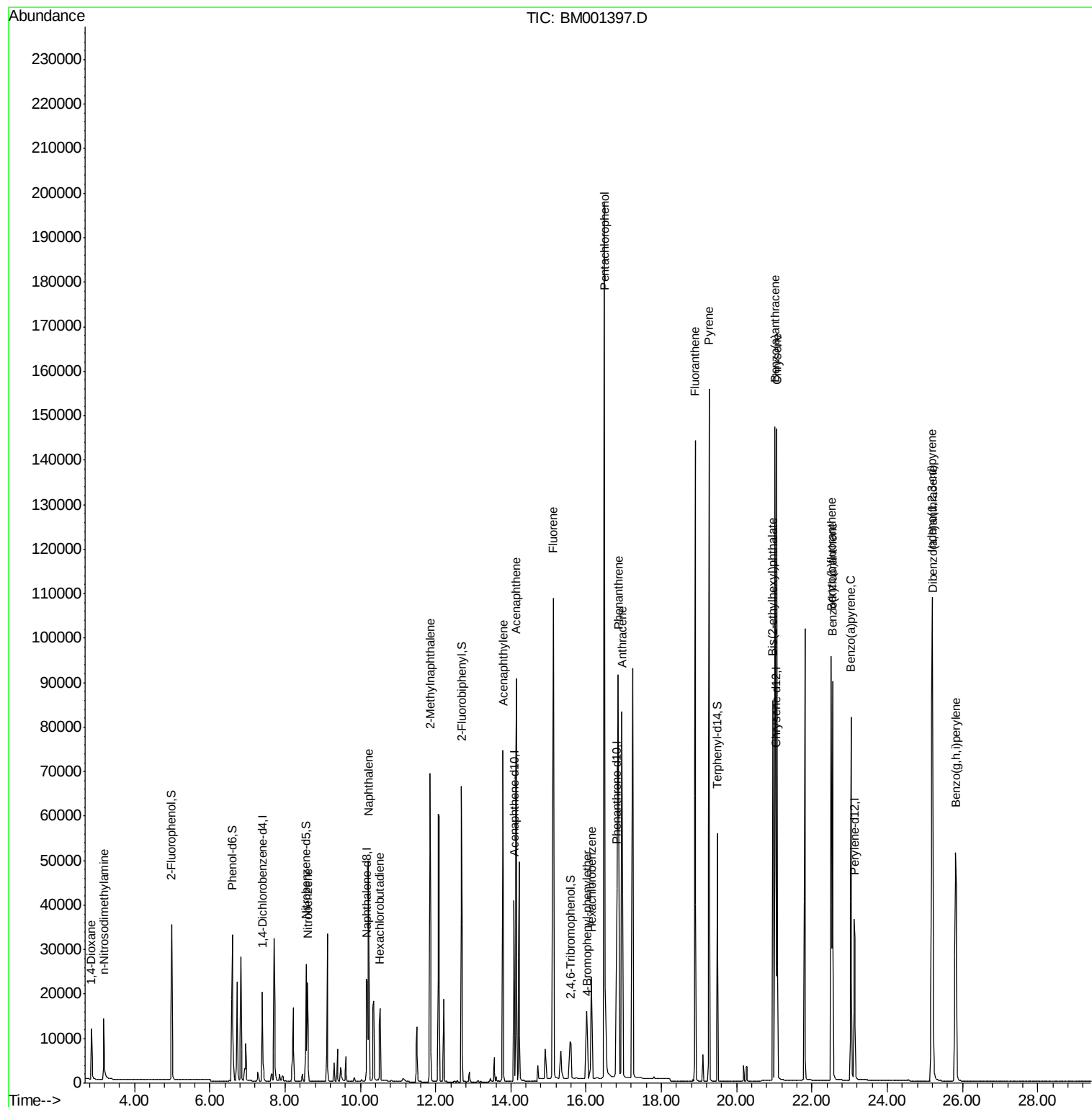
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.86	88	6996	8.98	ng	98
3) n-Nitrosodimethylamine	3.18	42	11441	8.53	ng	# 99
8) Nitrobenzene	8.60	77	22891	9.45	ng	98
9) Naphthalene	10.22	128	68272	8.08	ng	98
10) Hexachlorobutadiene	10.52	225	13973	8.11	ng	100
11) 2-Methylnaphthalene	11.86	142	49372	8.65	ng	94
15) Acenaphthylene	13.79	152	85708	8.79	ng	100
16) Acenaphthene	14.14	154	49387	8.13	ng	97
17) Fluorene	15.12	166	95438	9.17	ng	99
19) 4-Bromophenyl-phenylether	16.04	248	8641	4.67	ng	# 90
20) Hexachlorobenzene	16.14	284	28478	5.25	ng	# 84
21) Pentachlorophenol	16.48	266	92490	16.61	ng	# 68
22) Phenanthrene	16.85	178	139340	5.29	ng	100
23) Anthracene	16.95	178	128890	8.75	ng	98
24) Fluoranthene	18.90	202	125813	8.27	ng	100
26) Pyrene	19.26	202	134727	8.85	ng	100
28) Benzo(a)anthracene	21.02	228	121191	8.14	ng	95
29) Chrysene	21.07	228	117785	8.83	ng	94
30) Bis(2-ethylhexyl)phthalate	20.96	149	80528	10.02	ng	99
31) Indeno(1,2,3-cd)pyrene	25.19	276	114322	7.76	ng	99
33) Benzo(b)fluoranthene	22.51	252	124590	9.43	ng	96
34) Benzo(k)fluoranthene	22.55	252	100864	8.18	ng	97
35) Benzo(a)pyrene	23.03	252	107549	9.22	ng	96
36) Dibenzo(a,h)anthracene	25.20	278	91843	8.69	ng	98
37) Benzo(g,h,i)perylene	25.82	276	94449	8.41	ng	99

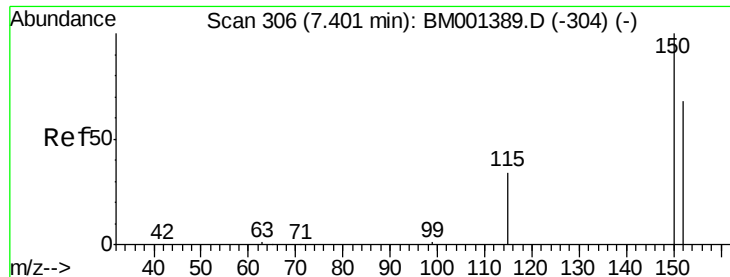
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.40 min Scan# 306

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

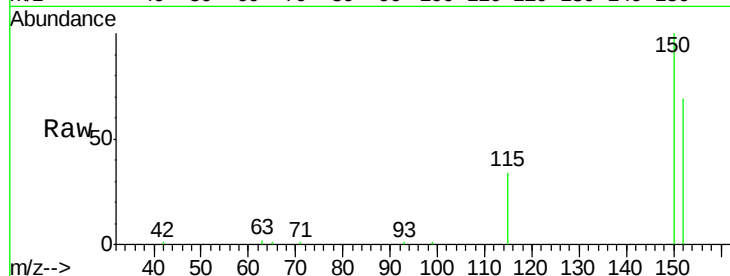
Tgt Ion:152 Resp: 10498

Ion Ratio Lower Upper

152 100

150 144.0 119.0 178.6

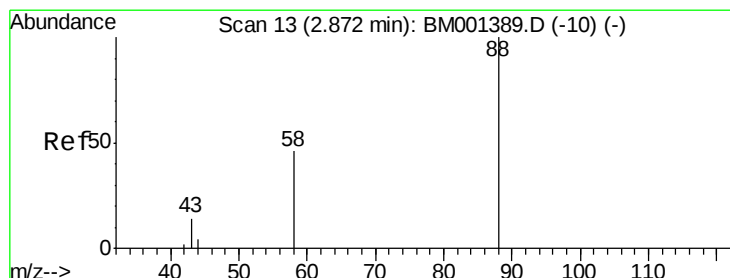
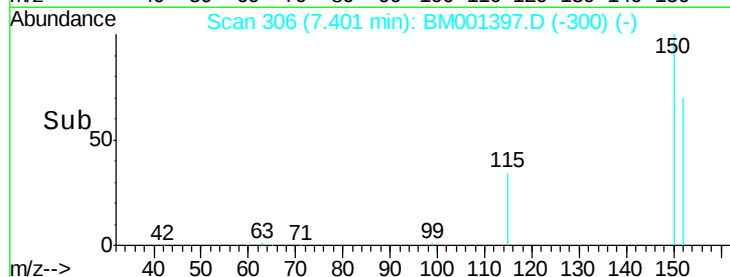
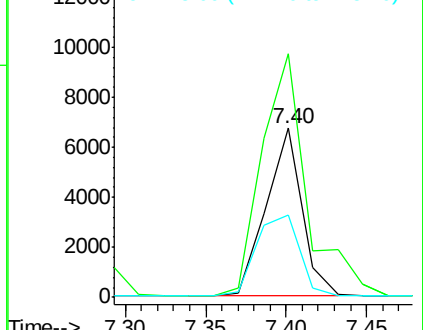
115 48.9 41.8 62.8



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: 8.98 ng

RT: 2.86 min Scan# 12

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

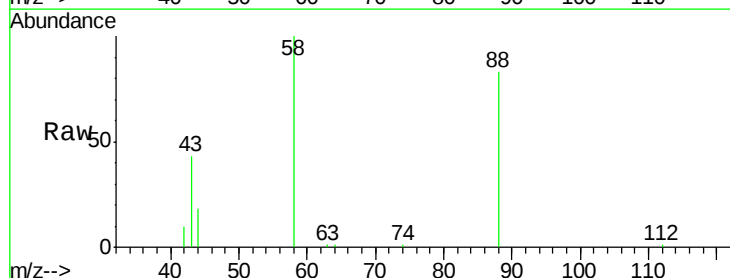
Tgt Ion: 88 Resp: 6996

Ion Ratio Lower Upper

88 100

58 87.0 71.3 106.9

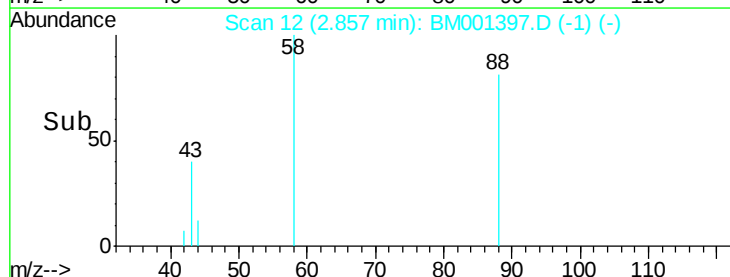
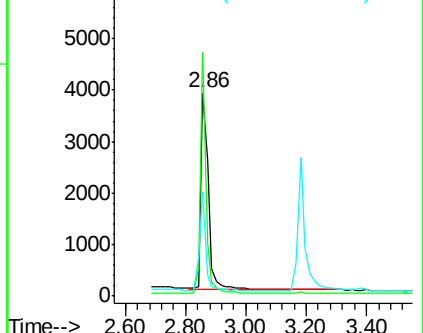
43 42.7 35.5 53.3

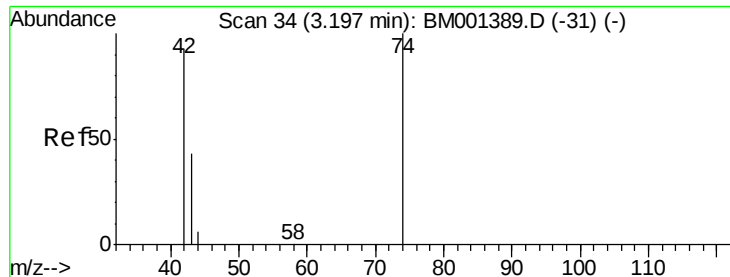


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 8.53 ng

RT: 3.18 min Scan# 33

Delta R.T. -0.02 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

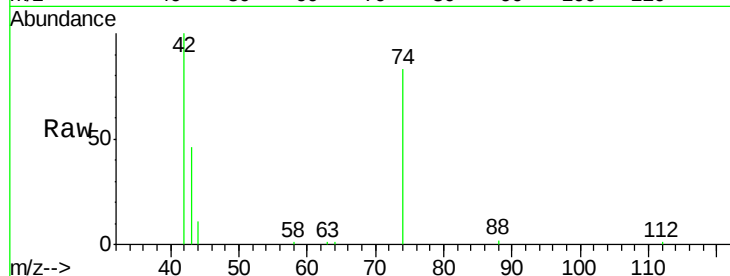
Tgt Ion: 42 Resp: 11441

Ion Ratio Lower Upper

42 100

74 91.1 72.2 108.2

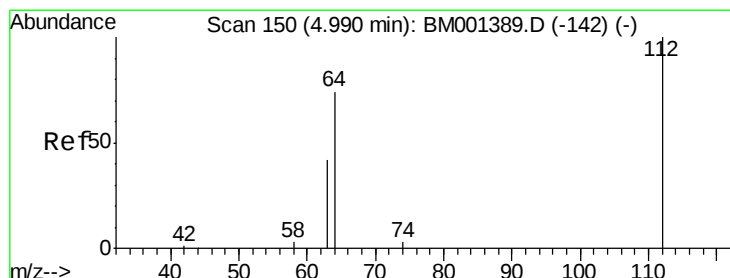
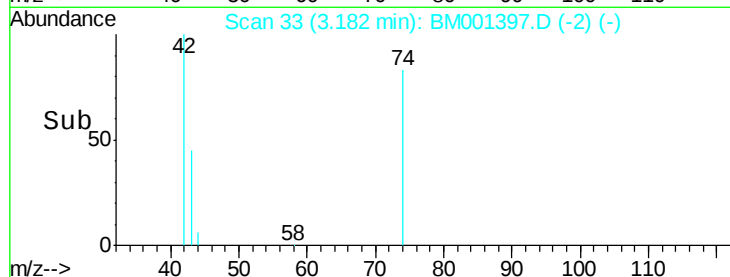
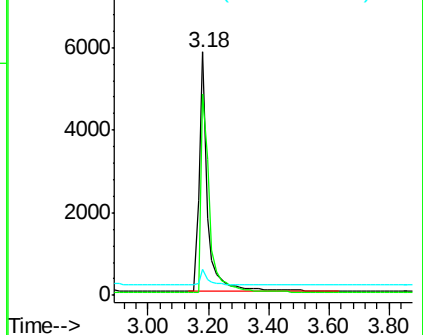
44 5.5 6.2 9.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001389.D (-31) (-)

Ion 74.00 (73.70 to 74.70): BM001389.D (-31) (-)

Ion 44.00 (43.70 to 44.70): BM001389.D (-31) (-)



#4

2-Fluorophenol

Concen: 12.61 ng

RT: 4.99 min Scan# 150

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

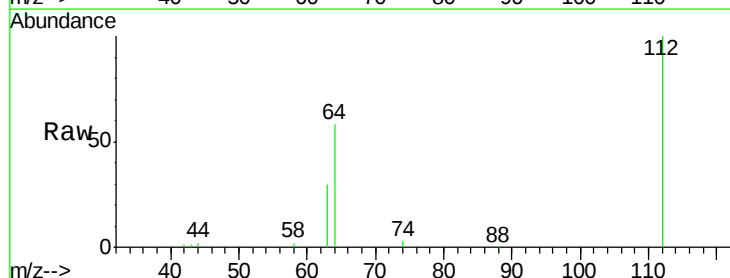
Tgt Ion: 112 Resp: 26161

Ion Ratio Lower Upper

112 100

64 64.3 51.7 77.5

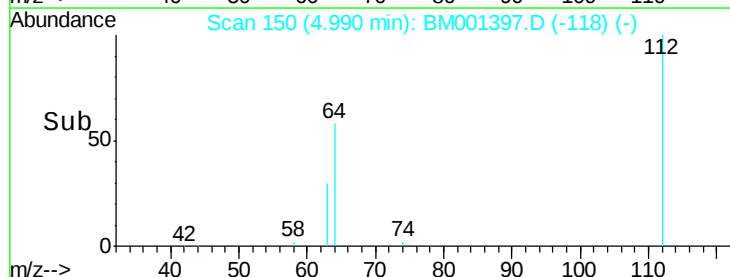
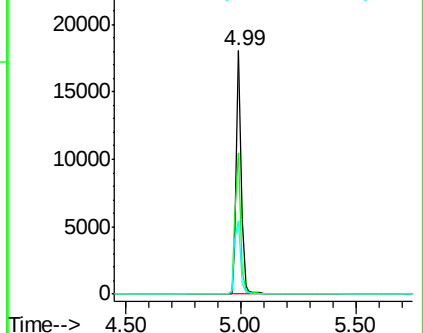
63 37.1 29.7 44.5

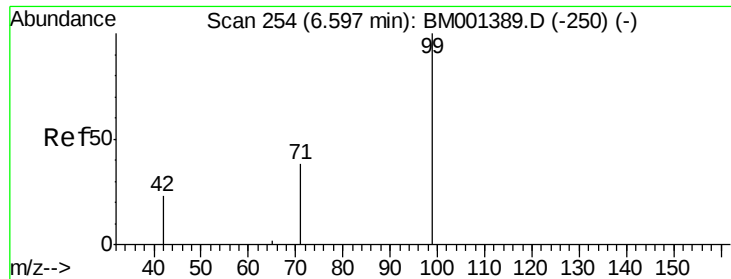


Abundance Ion 112.00 (111.70 to 112.70): BM001389.D (-142) (-)

Ion 64.00 (63.70 to 64.70): BM001389.D (-142) (-)

Ion 63.00 (62.70 to 63.70): BM001389.D (-142) (-)





#5

Phenol-d6

Concen: 13.59 ng

RT: 6.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

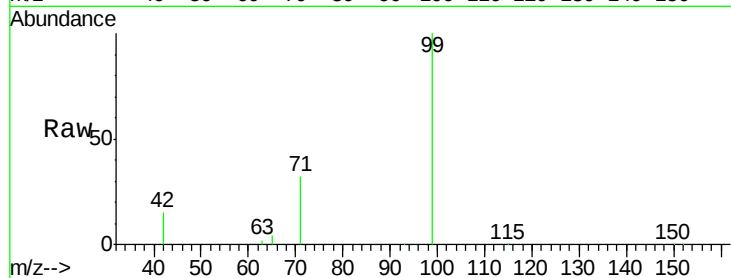
Tgt Ion: 99 Resp: 32696

Ion Ratio Lower Upper

99 100

42 27.5 21.8 32.6

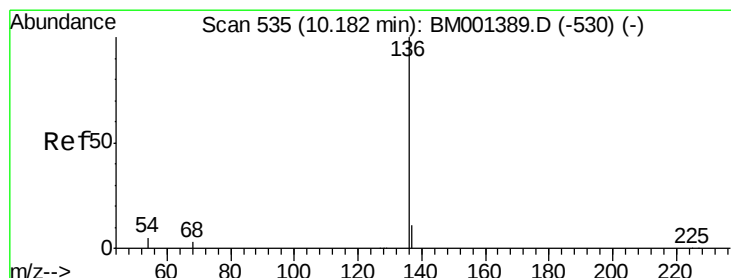
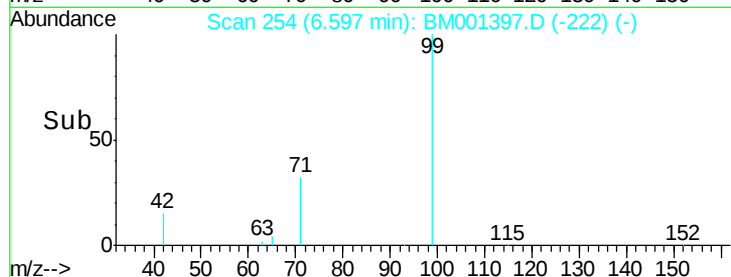
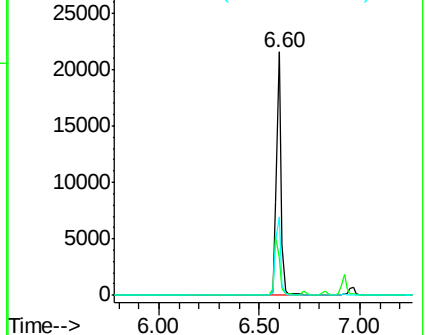
71 37.1 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001397.D (-222) (-)

Ion 42.00 (41.70 to 42.70): BM001397.D (-222) (-)

Ion 71.00 (70.70 to 71.70): BM001397.D (-222) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.18 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Tgt Ion: 136 Resp: 39724

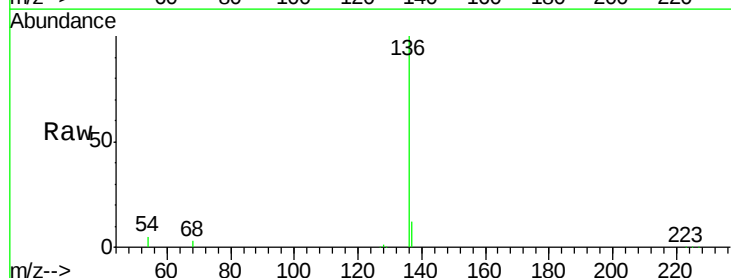
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 4.6 4.3 6.5

68 3.0 2.6 4.0

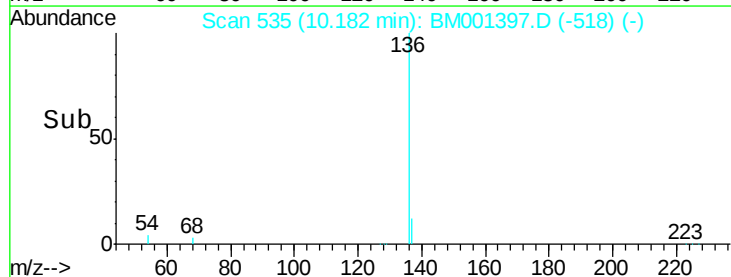
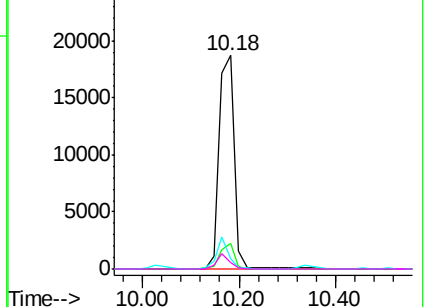


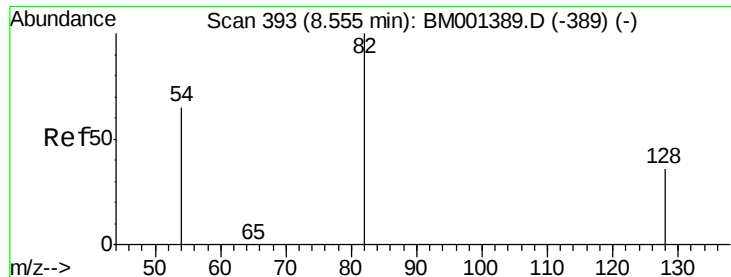
Abundance Ion 136.00 (135.70 to 136.70): BM001397.D (-518) (-)

Ion 137.00 (136.70 to 137.70): BM001397.D (-518) (-)

Ion 54.00 (53.70 to 54.70): BM001397.D (-518) (-)

Ion 68.00 (67.70 to 68.70): BM001397.D (-518) (-)





#7

Nitrobenzene-d5

Concen: 9.25 ng

RT: 8.55 min Scan# 393

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

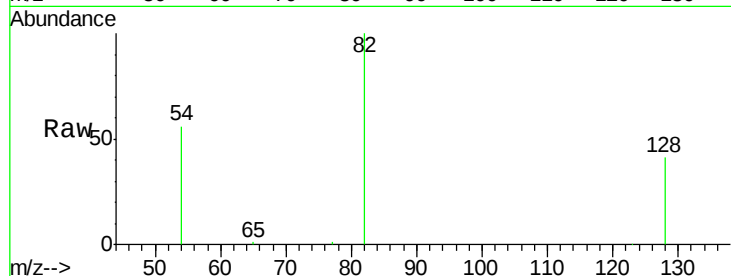
Tgt Ion: 82 Resp: 21215

Ion Ratio Lower Upper

82 100

128 41.3 30.2 45.4

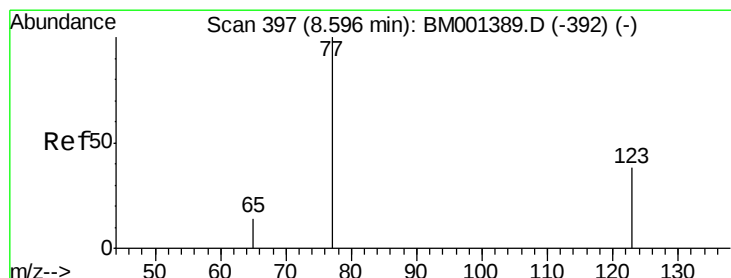
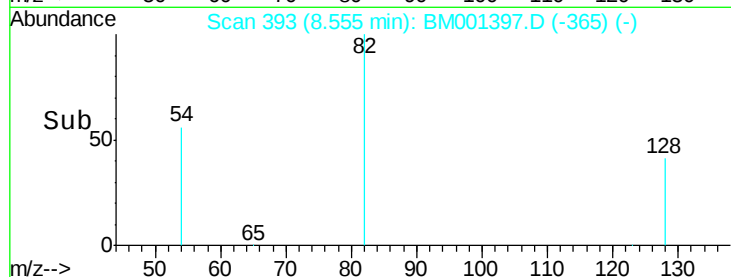
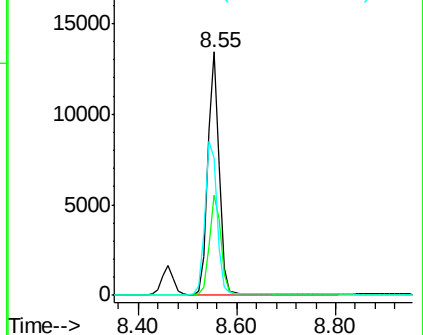
54 56.5 52.9 79.3



Abundance Ion 82.00 (81.70 to 82.70): BM001397.D (-389) (-)

Ion 128.00 (127.70 to 128.70): BM001397.D (-389) (-)

Ion 54.00 (53.70 to 54.70): BM001397.D (-389) (-)



#8

Nitrobenzene

Concen: 9.45 ng

RT: 8.60 min Scan# 397

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

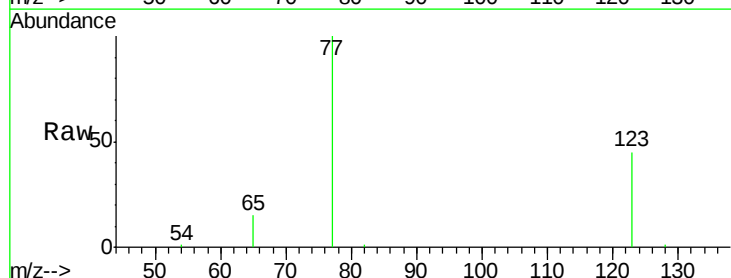
Tgt Ion: 77 Resp: 22891

Ion Ratio Lower Upper

77 100

123 43.4 33.7 50.5

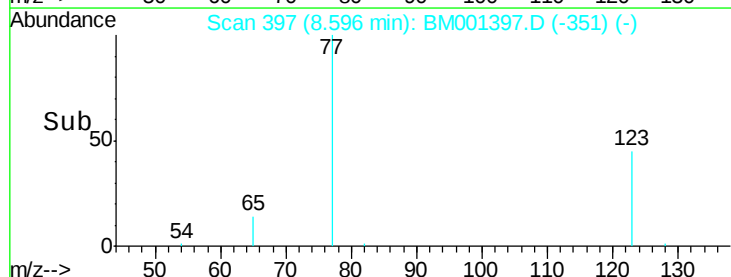
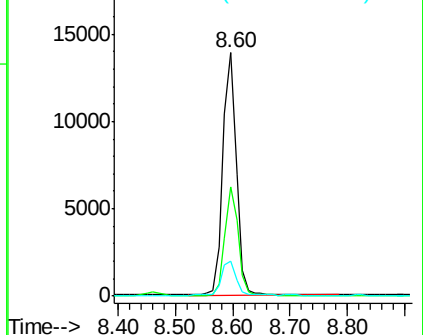
65 14.7 11.3 16.9

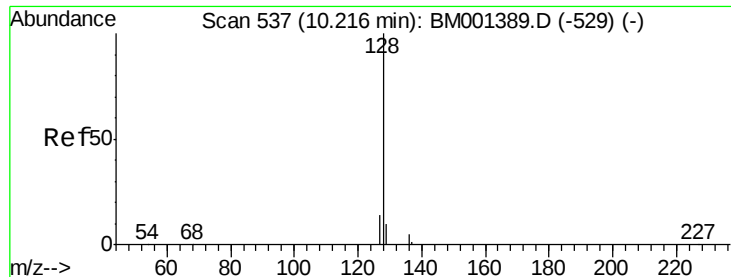


Abundance Ion 77.00 (76.70 to 77.70): BM001397.D (-351) (-)

Ion 123.00 (122.70 to 123.70): BM001397.D (-351) (-)

Ion 65.00 (64.70 to 65.70): BM001397.D (-351) (-)





#9

Naphthalene

Concen: 8.08 ng

RT: 10.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

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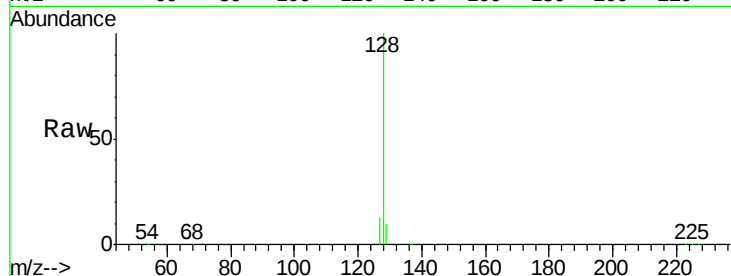
Tgt Ion:128 Resp: 68272

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

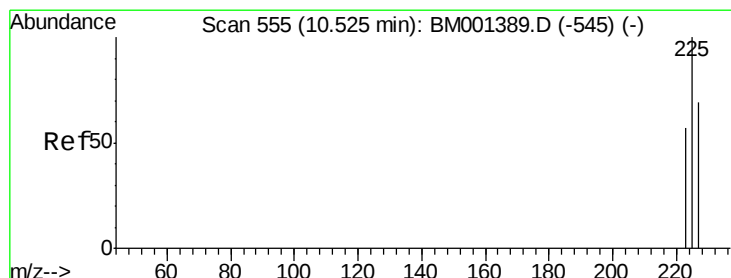
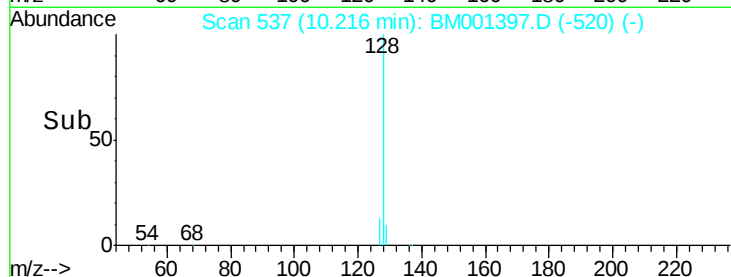
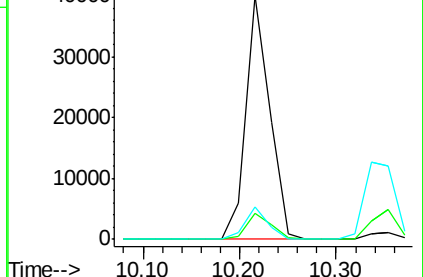
127 13.3 11.7 17.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 8.11 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

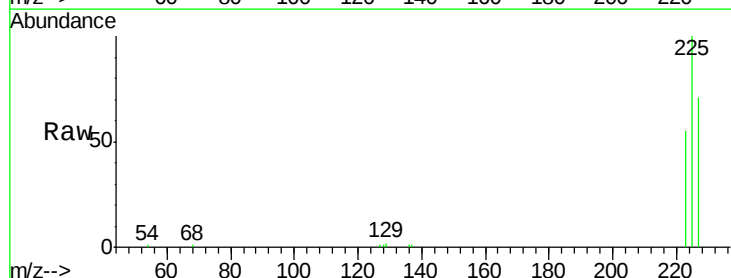
Tgt Ion:225 Resp: 13973

Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.2

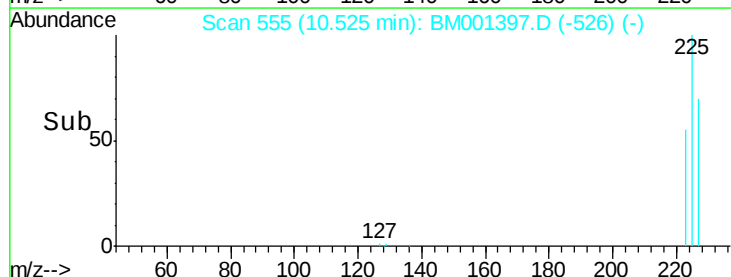
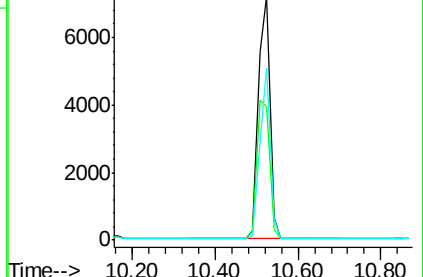
227 63.4 51.1 76.7

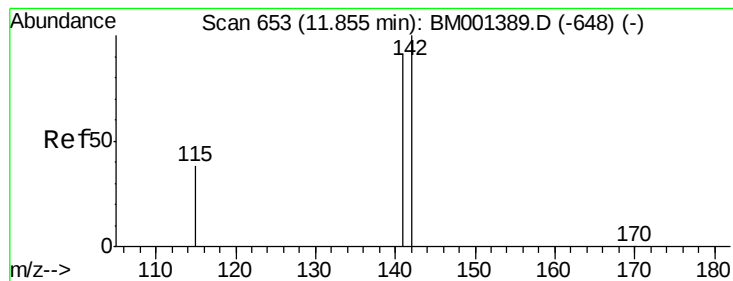


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 8.65 ng

RT: 11.86 min Scan# 653

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

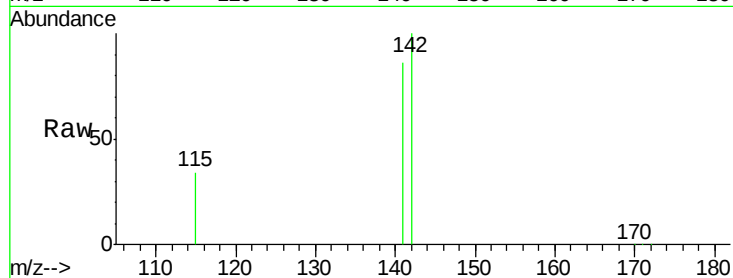
Tgt Ion:142 Resp: 49372

Ion Ratio Lower Upper

142 100

141 86.1 72.6 109.0

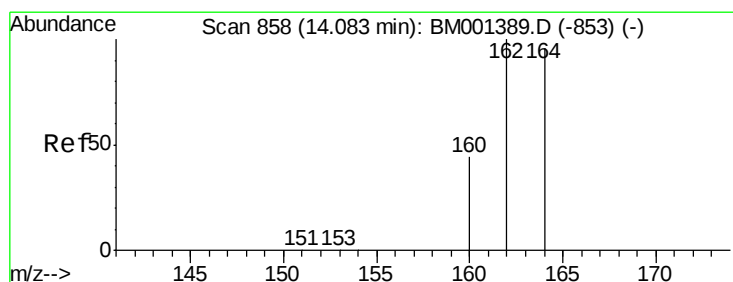
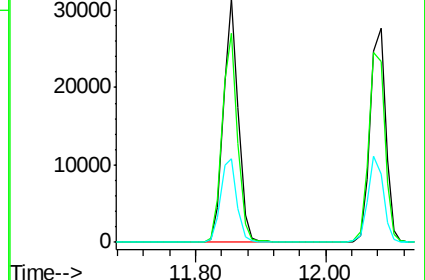
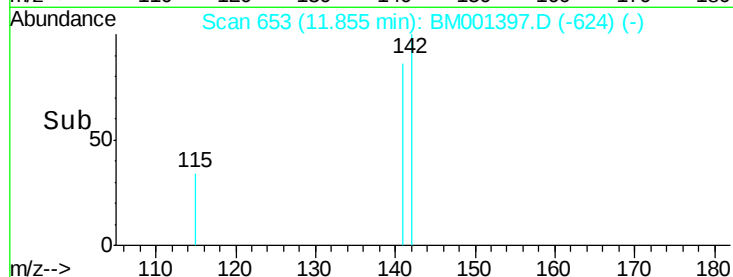
115 34.4 31.2 46.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.08 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

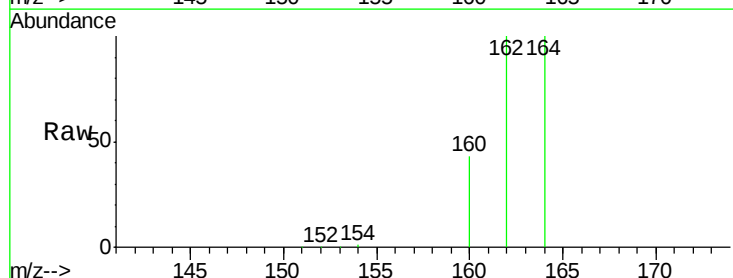
Tgt Ion:164 Resp: 23043

Ion Ratio Lower Upper

164 100

162 100.3 83.4 125.2

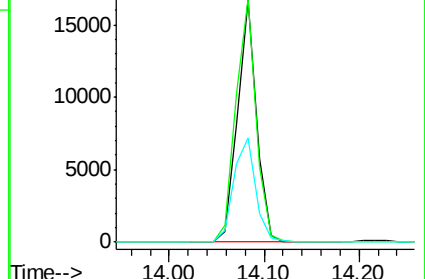
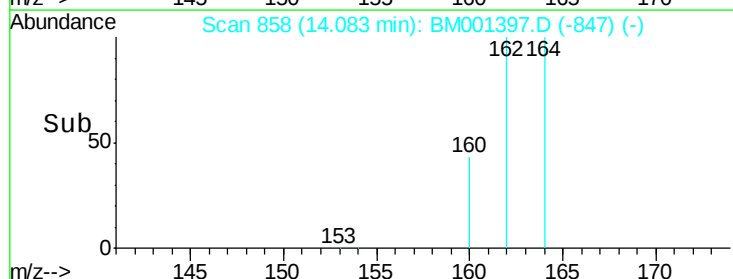
160 43.0 36.9 55.3

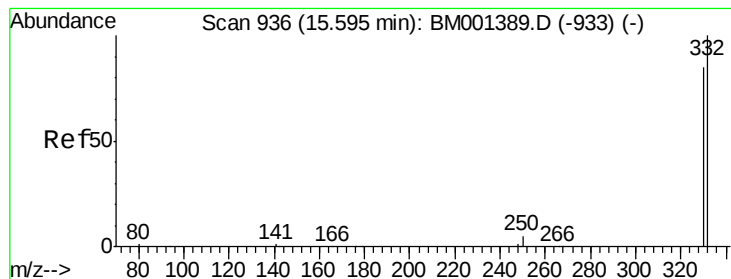


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

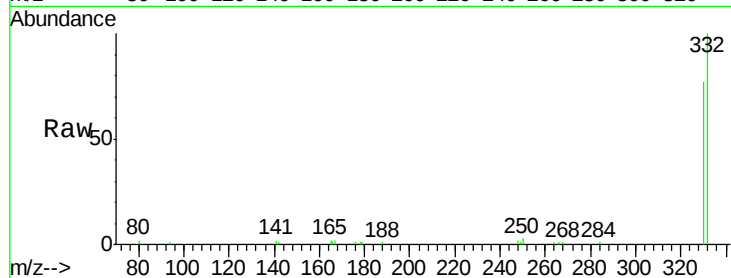




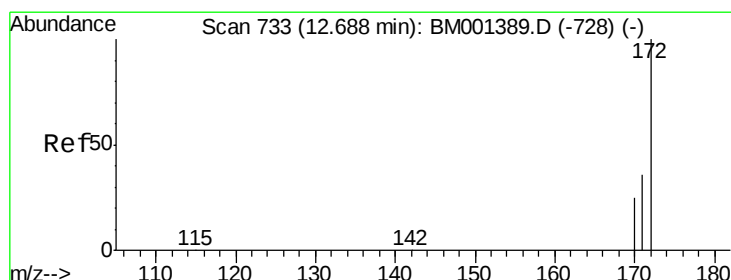
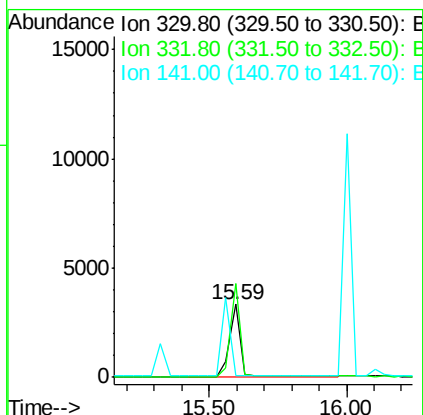
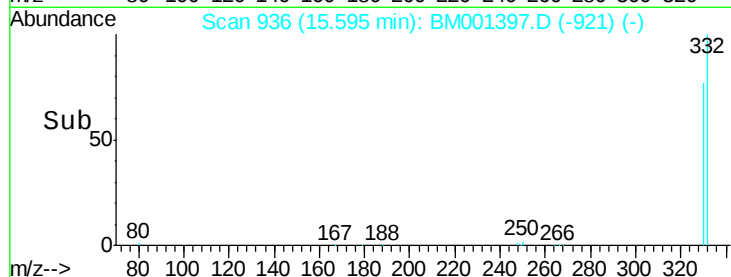
#13
 2,4,6-Tribromophenol
 Concen: 11.70 ng
 RT: 15.59 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM001397.D
 Acq: 23 May 2015 01:03

Instrument :
 BNA_M
 ClientSampleId :
 PB83556BS

Tgt Ion:330 Resp: 8376
 Ion Ratio Lower Upper
 330 100
 332 117.6 90.3 135.5
 141 0.0 0.0 0.0

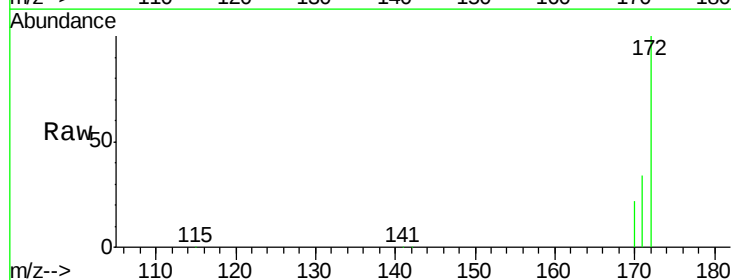


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

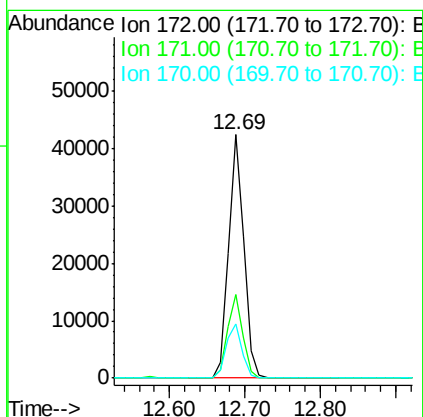
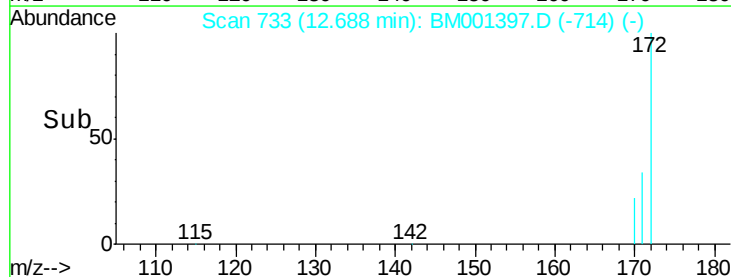


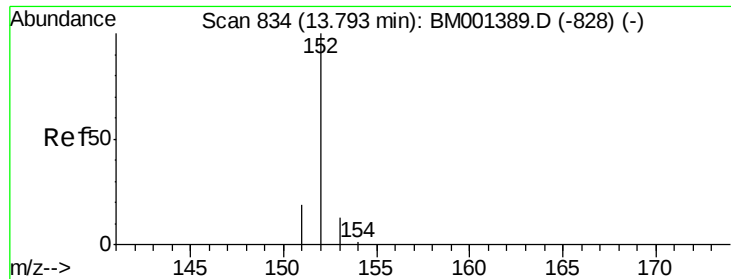
#14
 2-Fluorobiphenyl
 Concen: 8.55 ng
 RT: 12.69 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: BM001397.D
 Acq: 23 May 2015 01:03

Tgt Ion:172 Resp: 60602
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 22.4 20.2 30.4



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

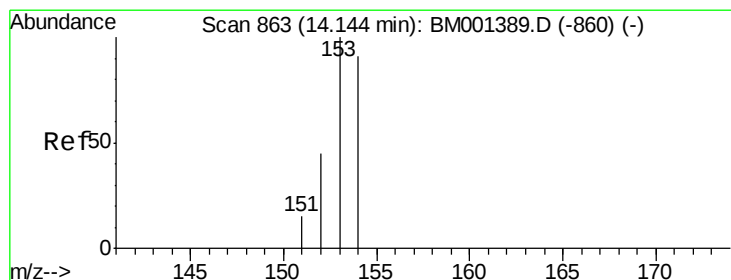
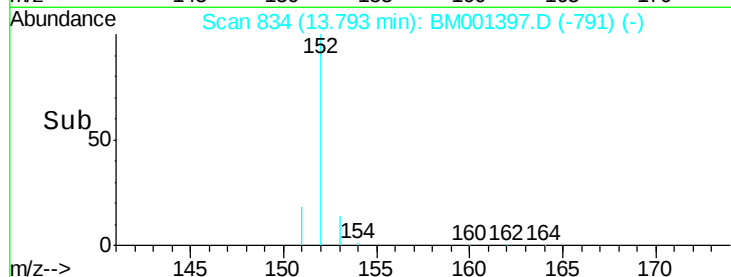
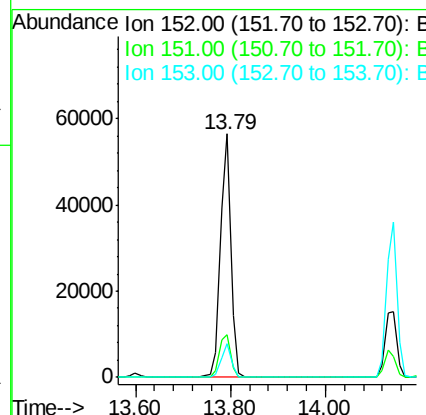
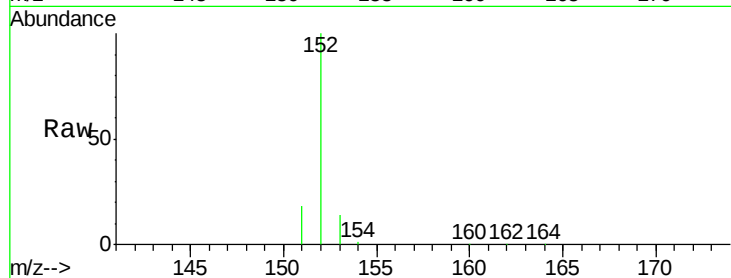




#15
Acenaphthylene
Concen: 8.79 ng
RT: 13.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM001397.D
Acq: 23 May 2015 01:03

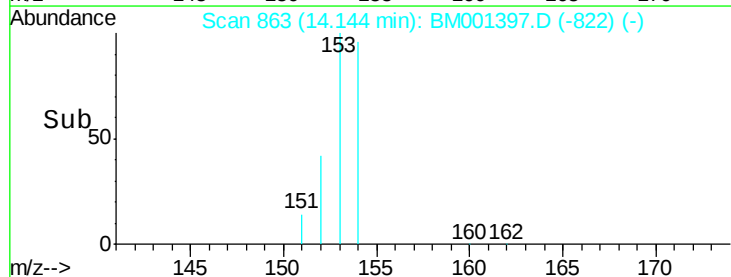
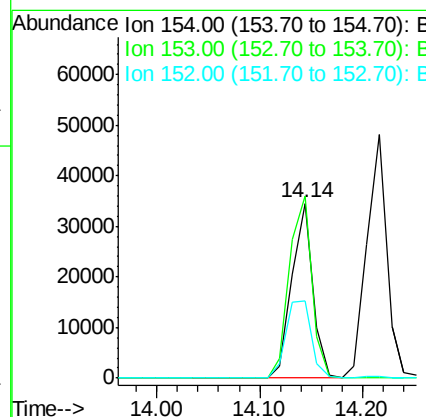
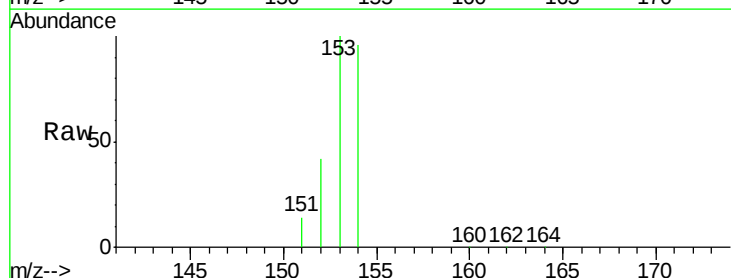
Instrument :
BNA_M
ClientSampleId :
PB83556BS

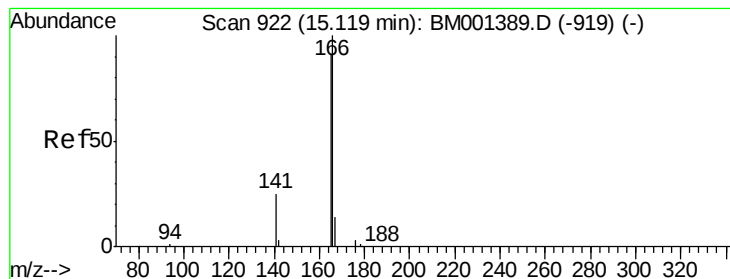
Tgt Ion:152 Resp: 85708
Ion Ratio Lower Upper
152 100
151 18.9 15.1 22.7
153 13.0 10.2 15.4



#16
Acenaphthene
Concen: 8.13 ng
RT: 14.14 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM001397.D
Acq: 23 May 2015 01:03

Tgt Ion:154 Resp: 49387
Ion Ratio Lower Upper
154 100
153 111.4 91.4 137.2
152 52.6 44.0 66.0





#17

Fluorene

Concen: 9.17 ng

RT: 15.12 min Scan# 922

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

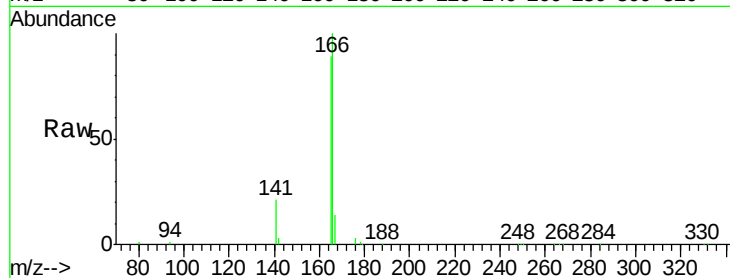
Tgt Ion:166 Resp: 95438

Ion Ratio Lower Upper

166 100

165 89.6 72.6 108.8

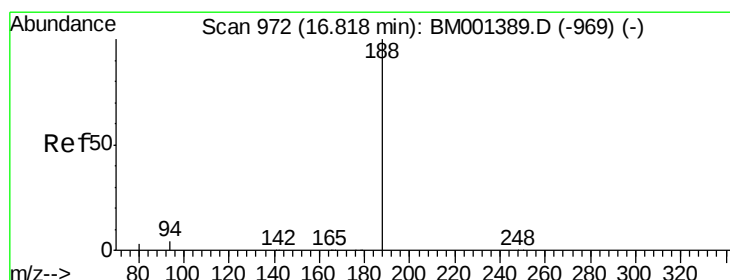
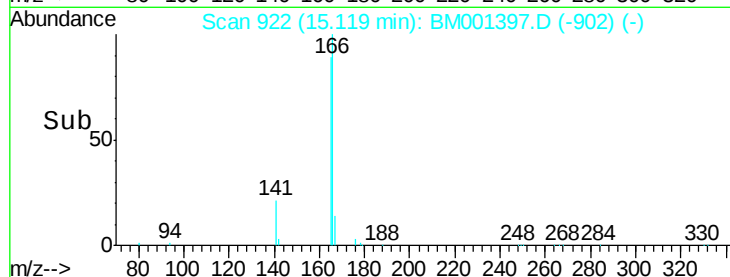
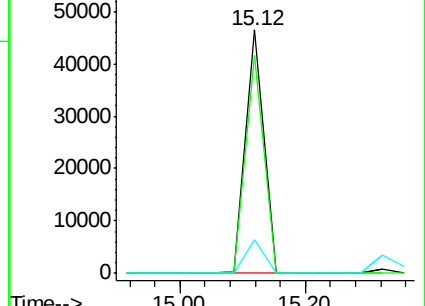
167 13.9 10.9 16.3



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 972

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

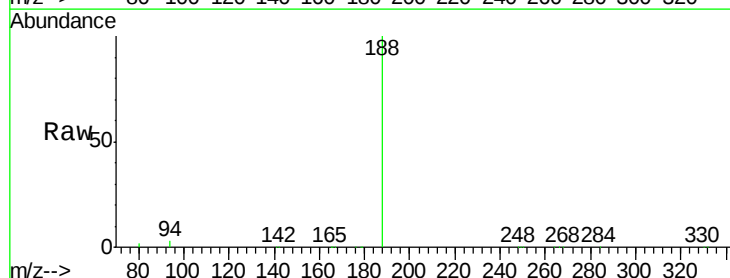
Tgt Ion:188 Resp: 82521

Ion Ratio Lower Upper

188 100

94 2.8 3.0 4.4#

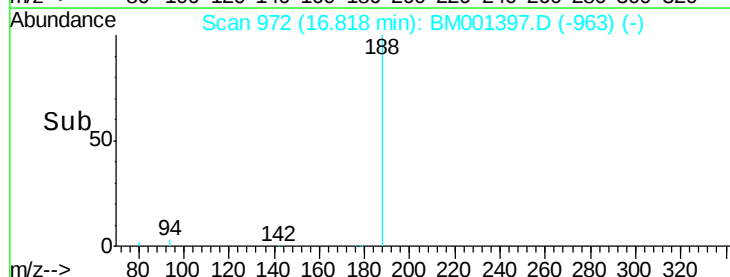
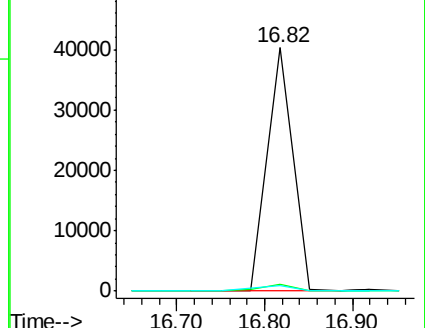
80 2.4 2.5 3.7#

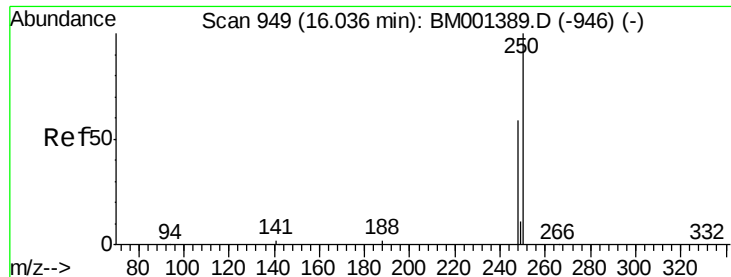


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

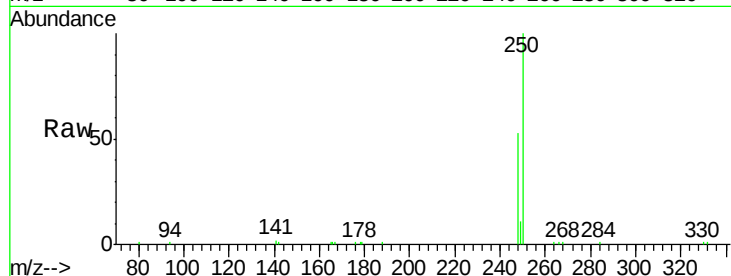




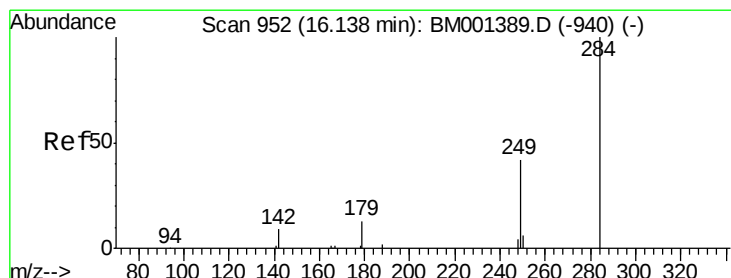
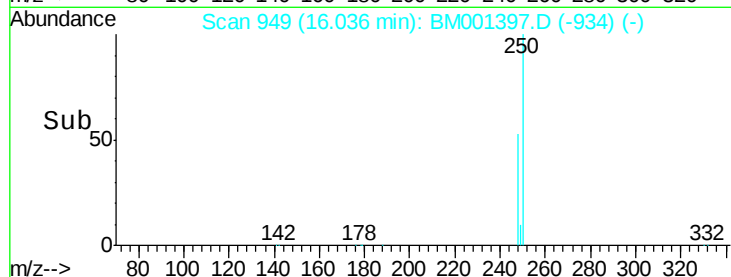
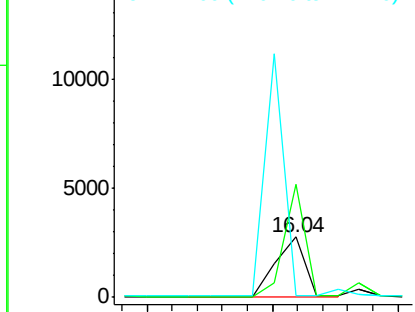
#19
4-Bromophenyl-phenylether
Concen: 4.67 ng
RT: 16.04 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001397.D
Acq: 23 May 2015 01:03

Instrument :
BNA_M
ClientSampleId :
PB83556BS

Tgt Ion:248 Resp: 8641
Ion Ratio Lower Upper
248 100
250 134.9 117.8 176.6
141 0.0 0.0 0.0

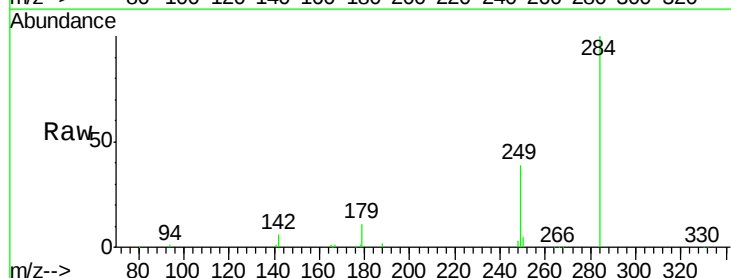


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

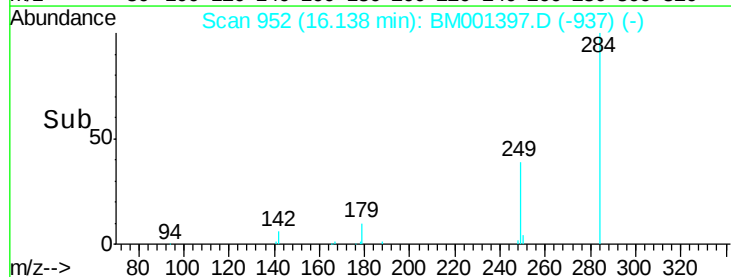
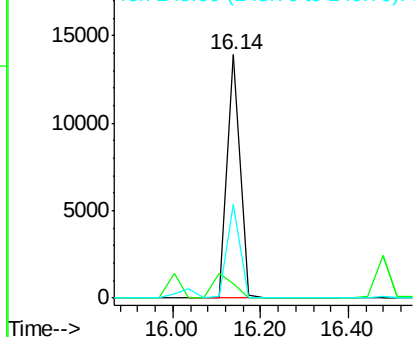


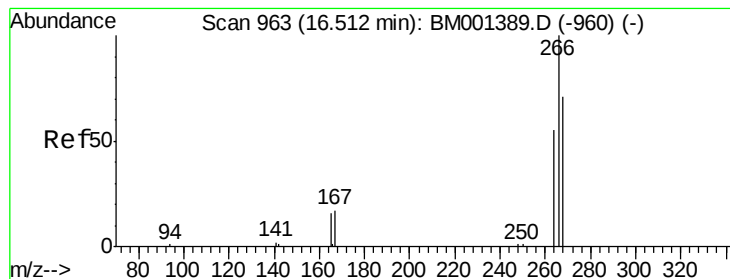
#20
Hexachlorobenzene
Concen: 5.25 ng
RT: 16.14 min Scan# 952
Delta R.T. 0.00 min
Lab File: BM001397.D
Acq: 23 May 2015 01:03

Tgt Ion:284 Resp: 28478
Ion Ratio Lower Upper
284 100
142 0.0 13.9 20.9#
249 43.3 39.0 58.4



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





#21

Pentachlorophenol

Concen: 16.61 ng

RT: 16.48 min Scan# 962

Delta R.T. -0.03 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

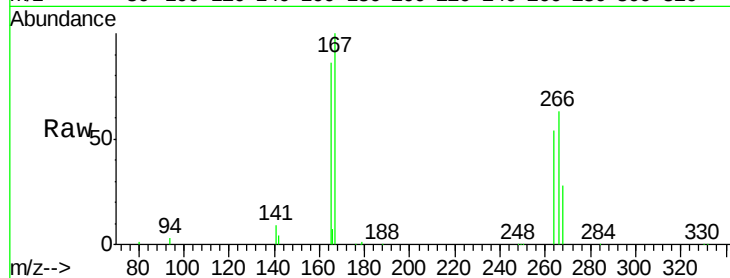
Tgt Ion:266 Resp: 92490

Ion Ratio Lower Upper

266 100

268 45.0 63.0 94.4#

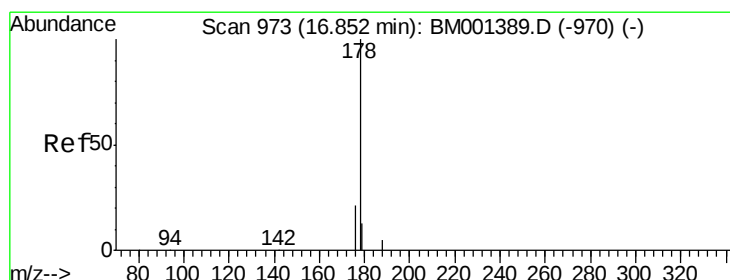
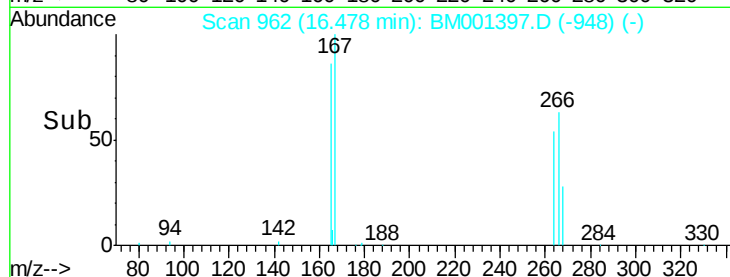
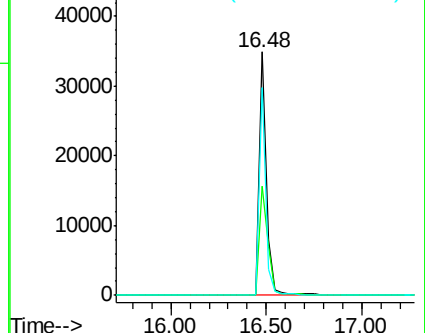
264 85.4 52.8 79.2#



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



#22

Phenanthrene

Concen: 5.29 ng

RT: 16.85 min Scan# 973

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

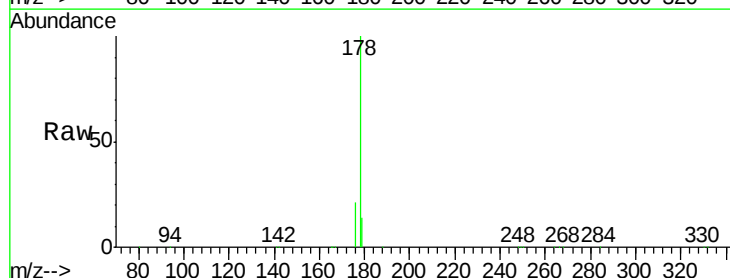
Tgt Ion:178 Resp: 139340

Ion Ratio Lower Upper

178 100

176 20.8 16.8 25.2

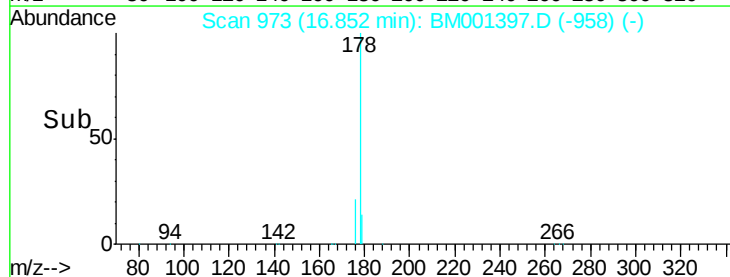
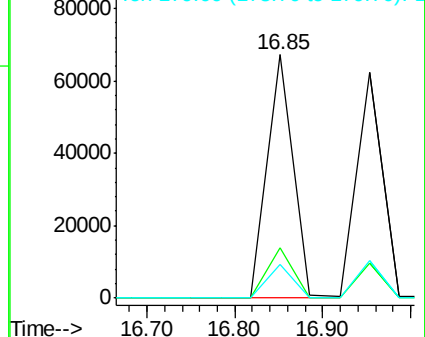
179 13.7 11.0 16.4

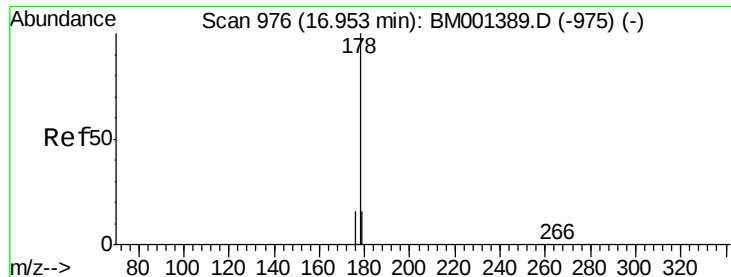


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 8.75 ng

RT: 16.95 min Scan# 976

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

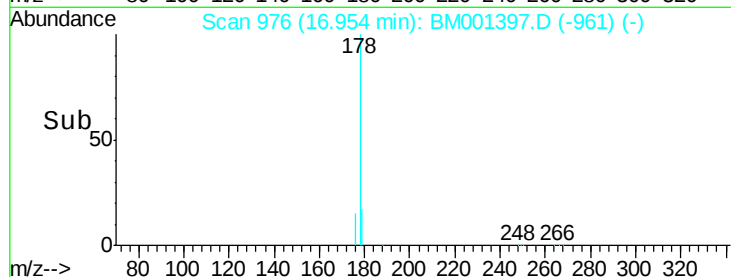
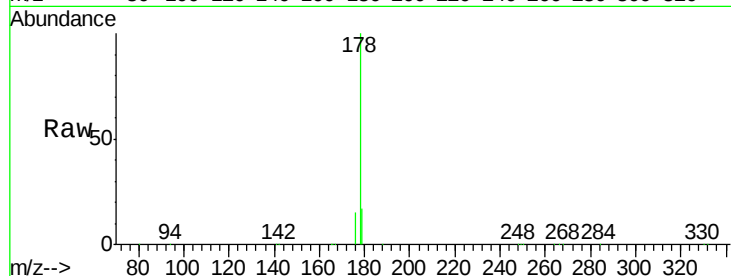
Tgt Ion:178 Resp: 128890

Ion Ratio Lower Upper

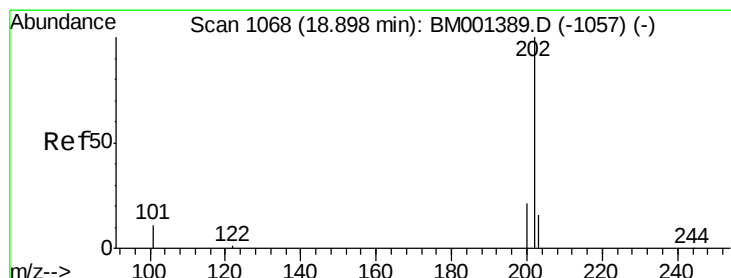
178 100

176 15.4 13.1 19.7

179 16.9 12.8 19.2



Time-->



#24

Fluoranthene

Concen: 8.27 ng

RT: 18.90 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

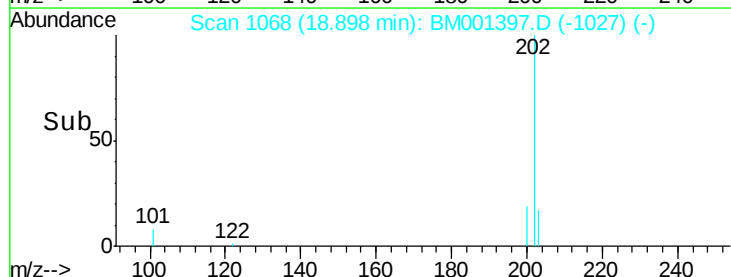
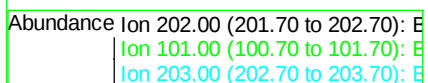
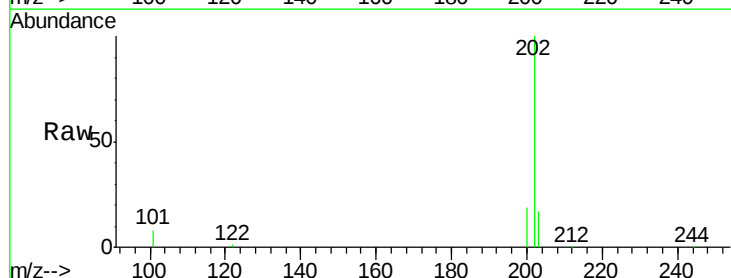
Tgt Ion:202 Resp: 125813

Ion Ratio Lower Upper

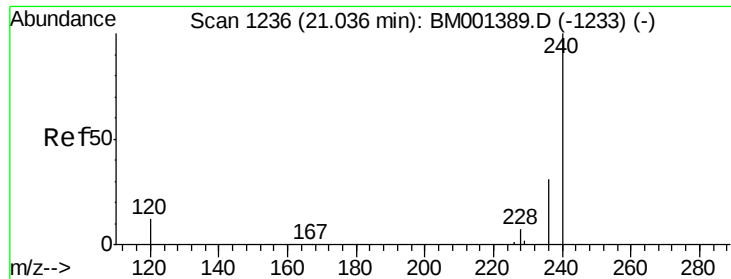
202 100

101 10.8 8.6 12.8

203 16.9 13.8 20.6



Time-->



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.04 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

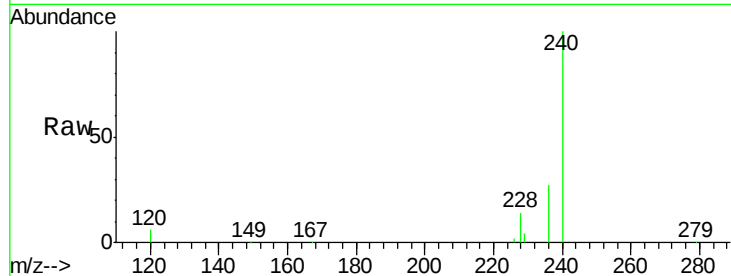
Tgt Ion:240 Resp: 50408

Ion Ratio Lower Upper

240 100

120 5.7 9.7 14.5#

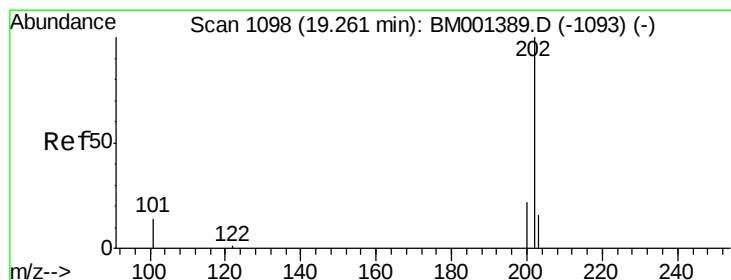
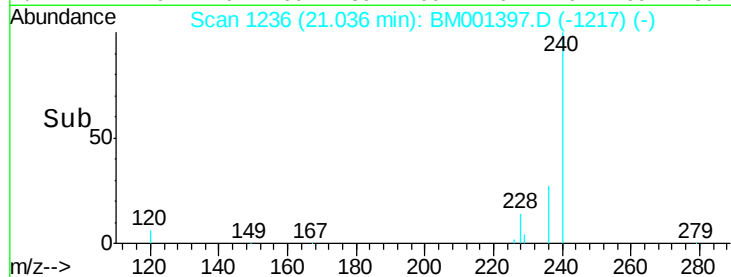
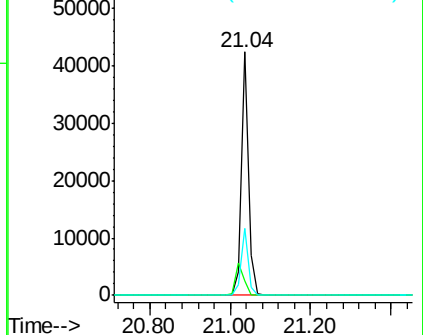
236 27.5 24.8 37.2



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: 8.85 ng

RT: 19.26 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

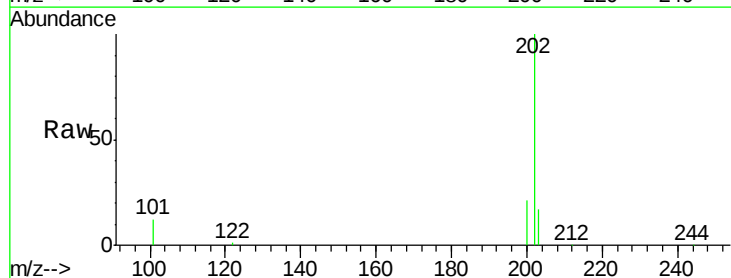
Tgt Ion:202 Resp: 134727

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

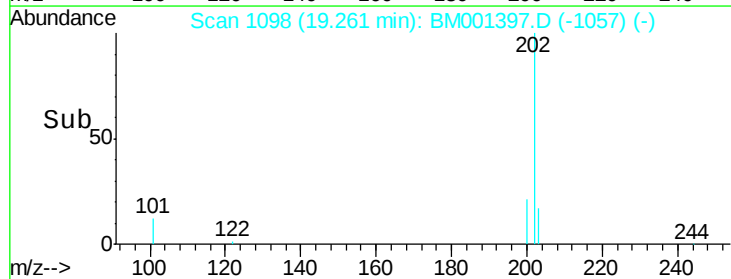
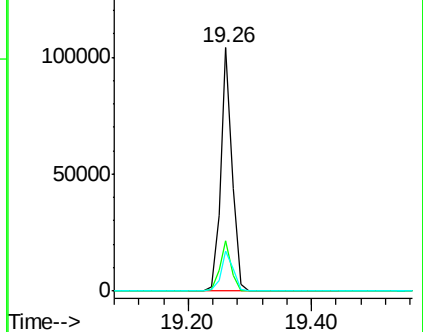
203 17.8 13.9 20.9

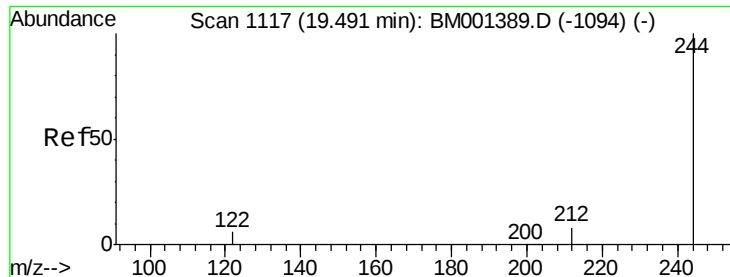


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 8.30 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

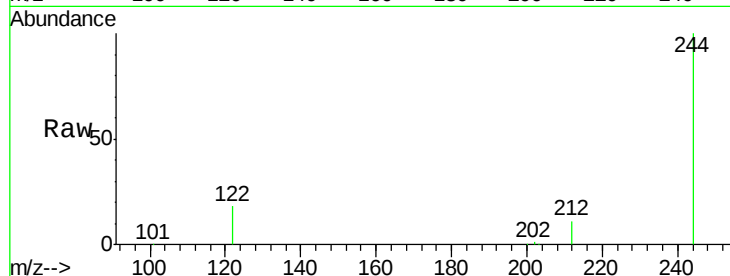
Tgt Ion:244 Resp: 56651

Ion Ratio Lower Upper

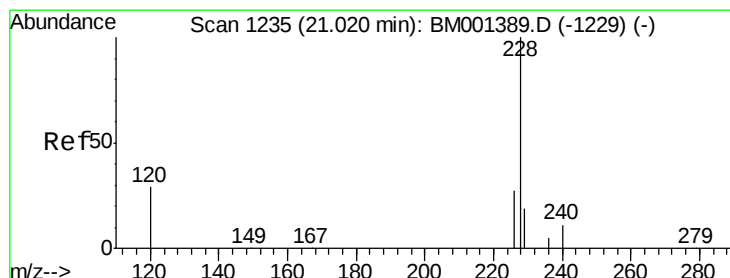
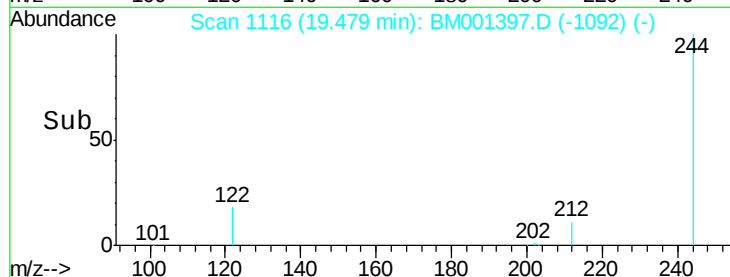
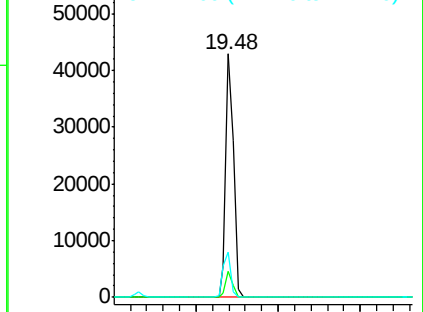
244 100

212 10.6 7.2 10.8

122 18.5 5.1 7.7#



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: 8.14 ng

RT: 21.02 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

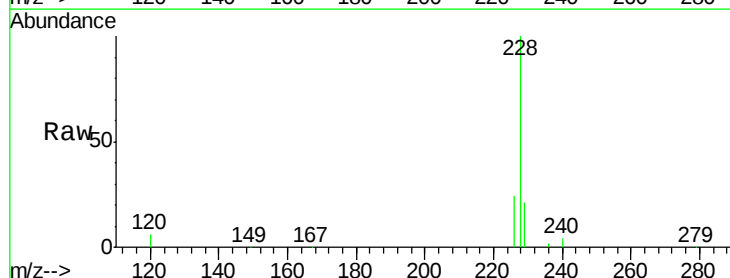
Tgt Ion:228 Resp: 121191

Ion Ratio Lower Upper

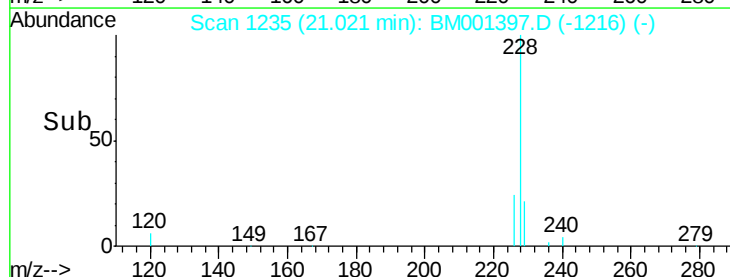
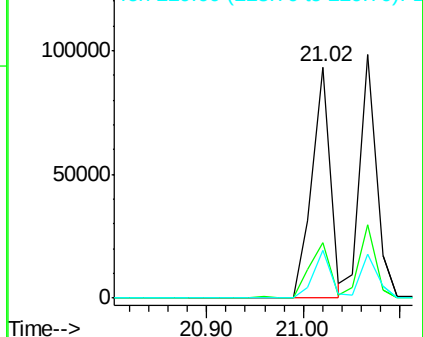
228 100

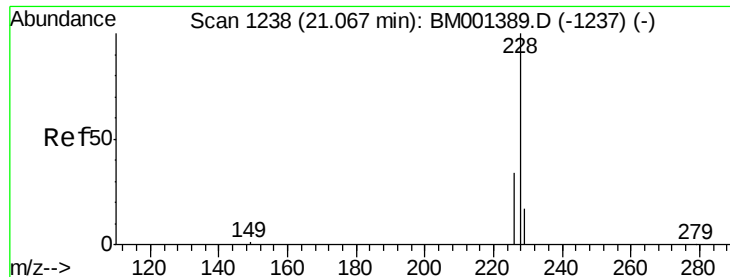
226 24.0 21.9 32.9

229 20.7 15.1 22.7



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: 8.83 ng

RT: 21.07 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

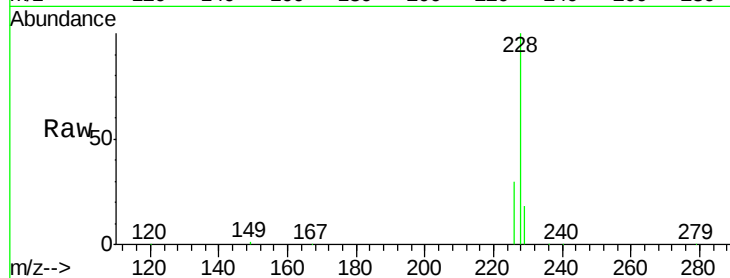
Tgt Ion:228 Resp: 117785

Ion Ratio Lower Upper

228 100

226 30.1 27.6 41.4

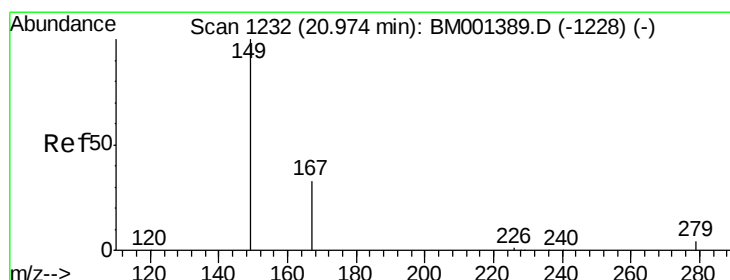
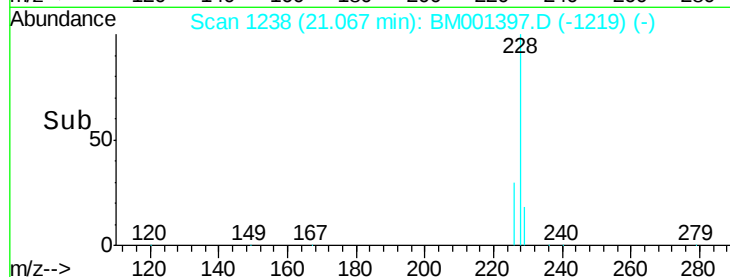
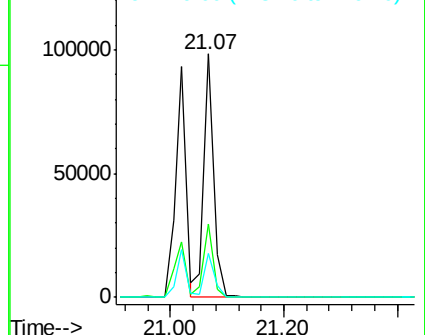
229 18.2 13.6 20.4



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: 10.02 ng

RT: 20.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

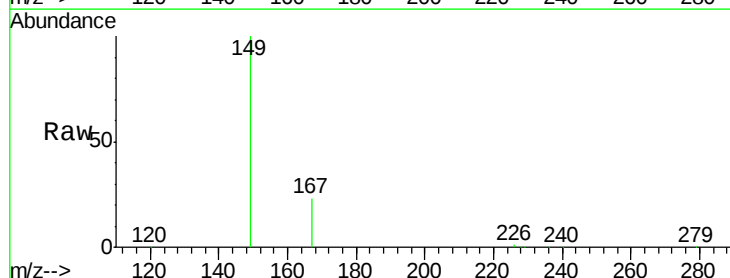
Tgt Ion:149 Resp: 80528

Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.6

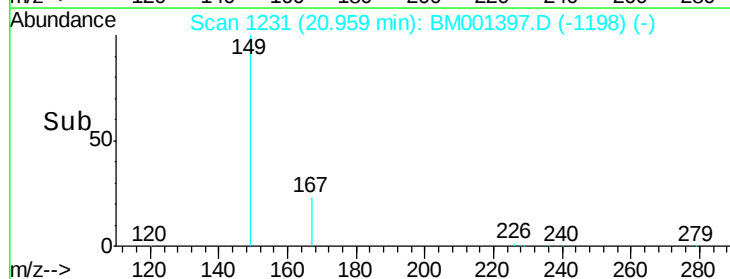
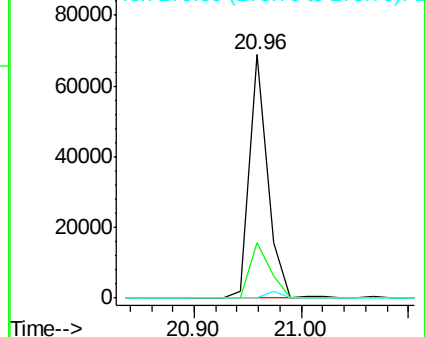
279 2.7 2.2 3.2

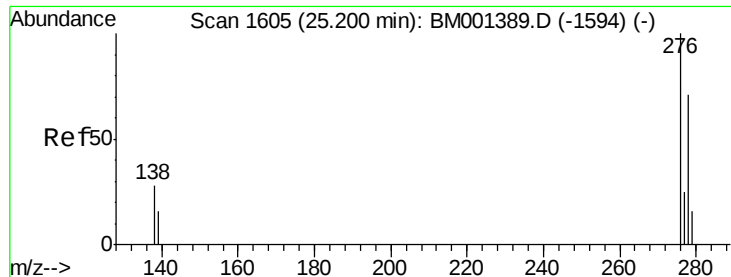


Abundance Ion 149.00 (148.70 to 149.70): E

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: 7.76 ng

RT: 25.19 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

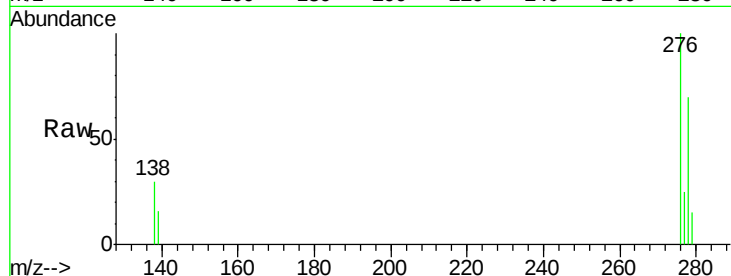
Tgt Ion:276 Resp: 114322

Ion Ratio Lower Upper

276 100

138 30.4 23.4 35.0

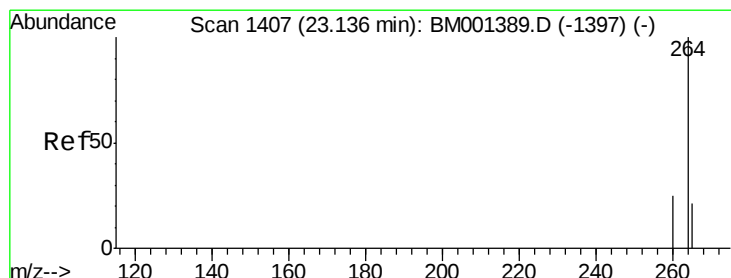
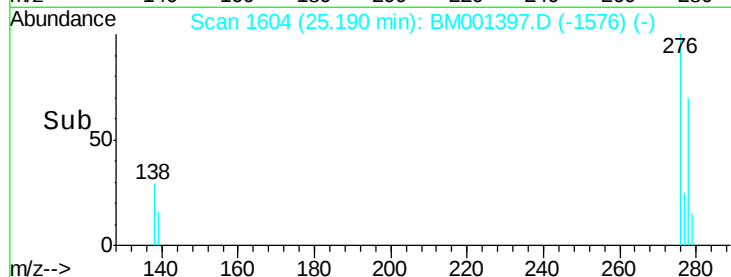
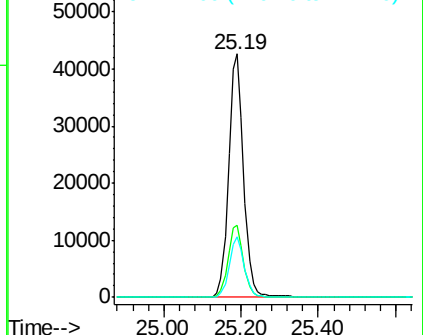
277 24.7 19.5 29.3



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.13 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

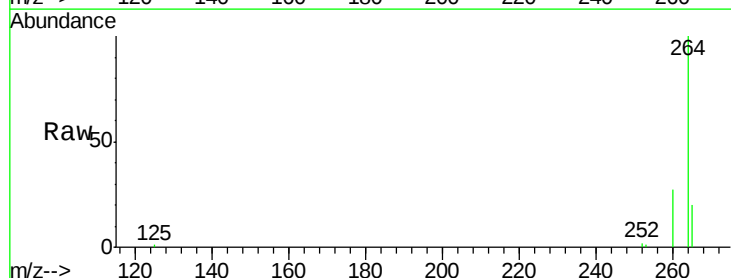
Tgt Ion:264 Resp: 43630

Ion Ratio Lower Upper

264 100

260 26.8 20.1 30.1

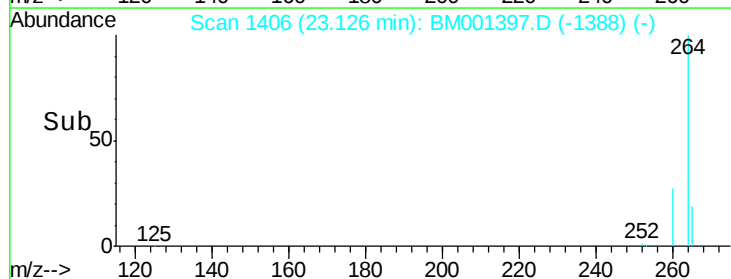
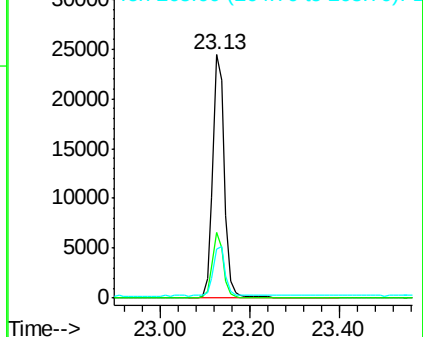
265 20.3 17.1 25.7

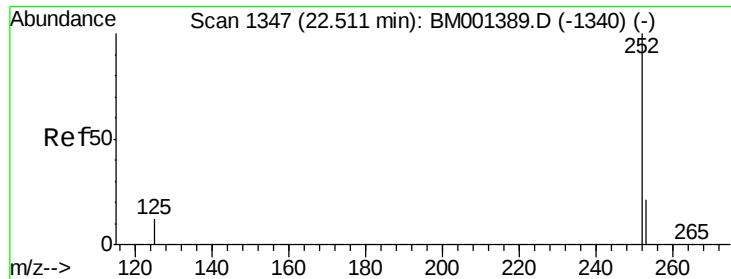


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 9.43 ng

RT: 22.51 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

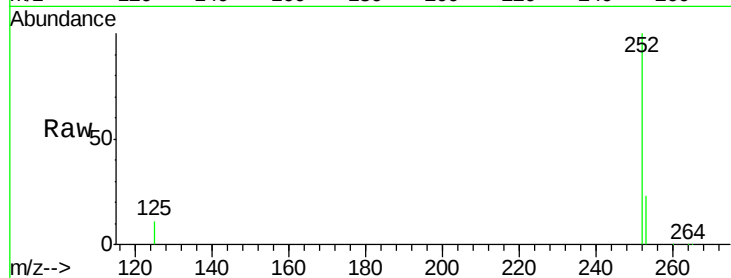
Tgt Ion:252 Resp: 124590

Ion Ratio Lower Upper

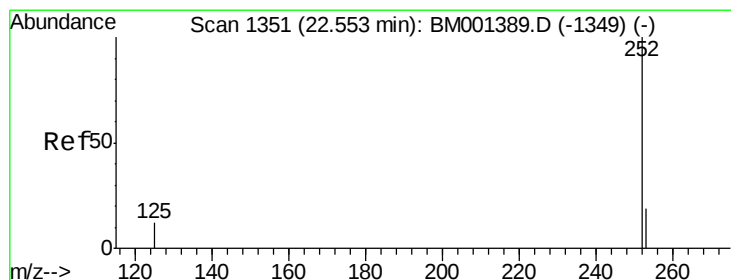
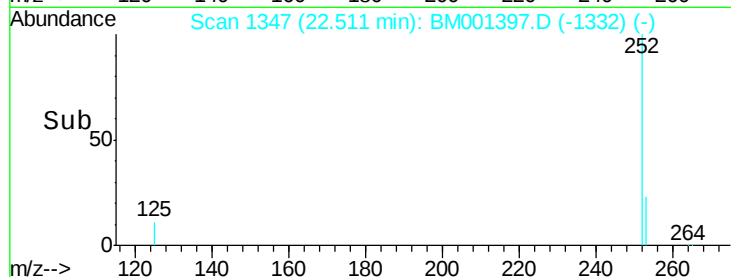
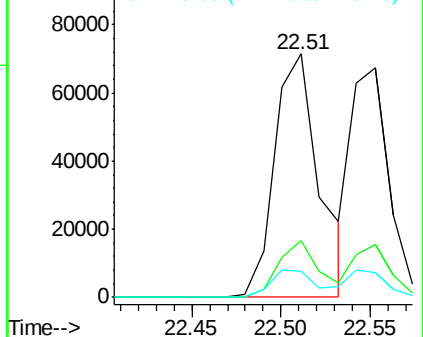
252 100

253 23.1 17.4 26.0

125 10.7 10.2 15.4



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



#34

Benzo(k)fluoranthene

Concen: 8.18 ng

RT: 22.55 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

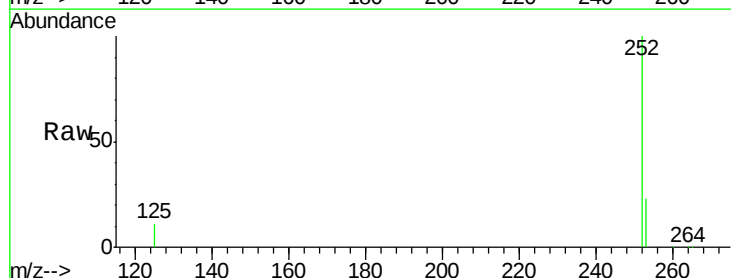
Tgt Ion:252 Resp: 100864

Ion Ratio Lower Upper

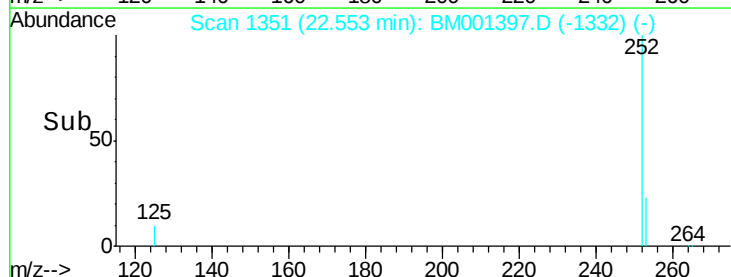
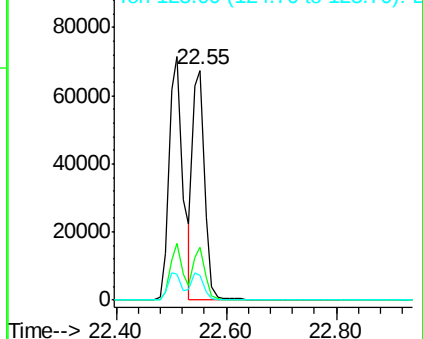
252 100

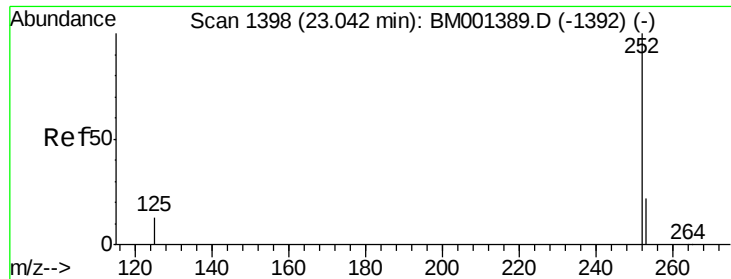
253 22.9 17.6 26.4

125 10.6 9.7 14.5



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





#35

Benzo(a)pyrene

Concen: 9.22 ng

RT: 23.03 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS

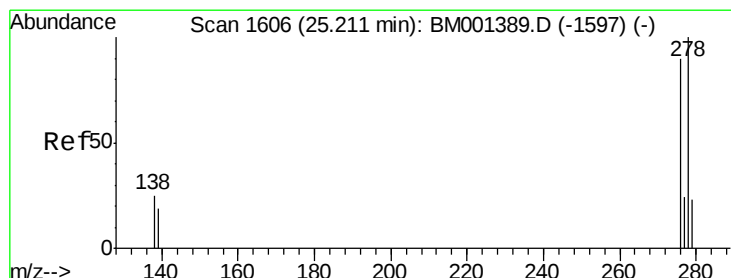
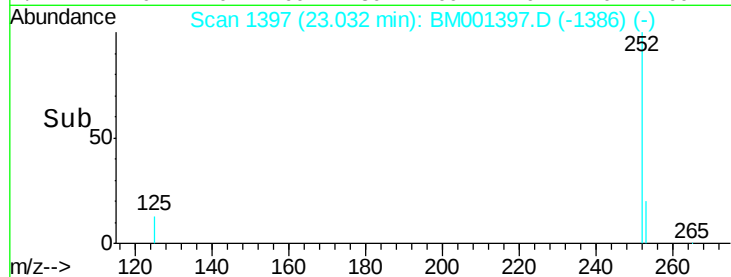
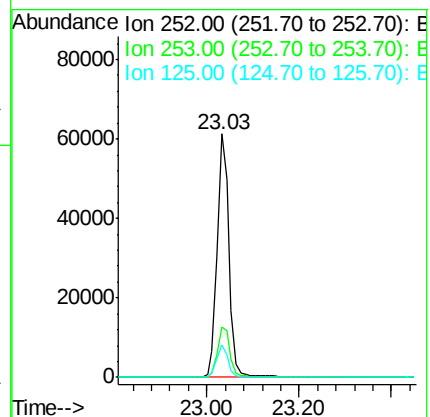
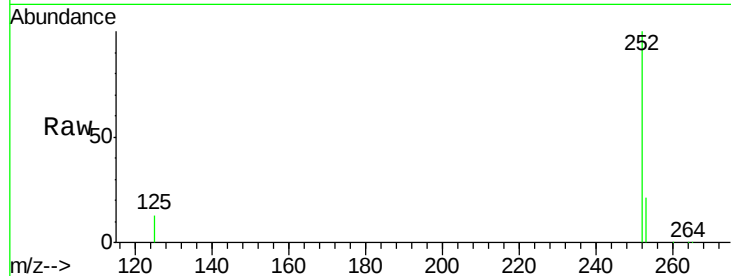
Tgt Ion: 252 Resp: 107549

Ion Ratio Lower Upper

252 100

253 20.7 18.6 28.0

125 13.1 10.7 16.1



#36

Dibenzo(a,h)anthracene

Concen: 8.69 ng

RT: 25.20 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BM001397.D

Acq: 23 May 2015 01:03

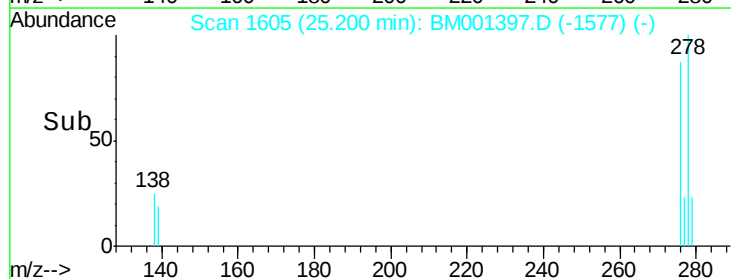
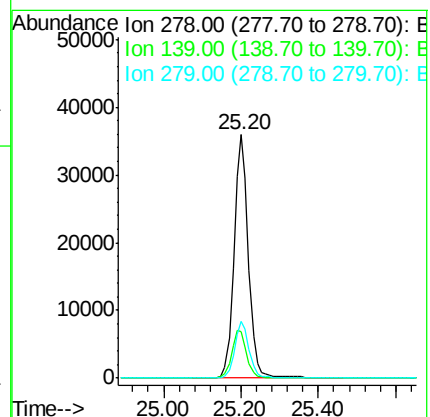
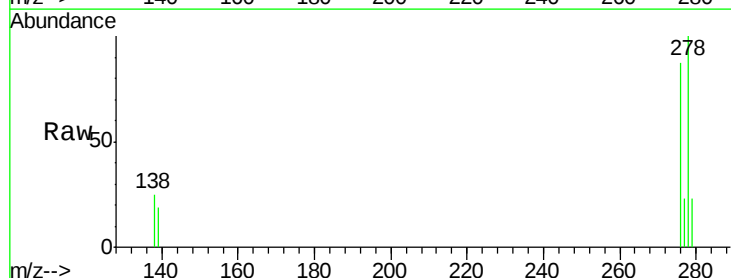
Tgt Ion: 278 Resp: 91843

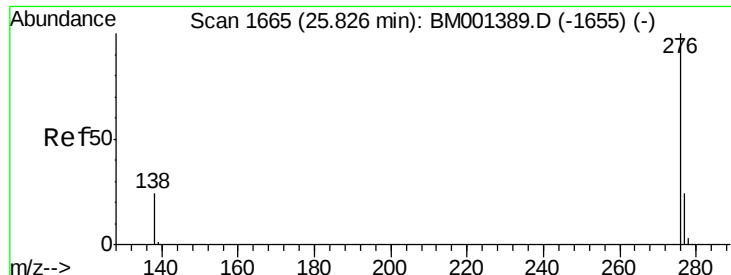
Ion Ratio Lower Upper

278 100

139 19.3 15.7 23.5

279 23.2 19.4 29.2





#37

Benzo(g,h,i)perylene

Concen: 8.41 ng

RT: 25.82 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BM001397.D

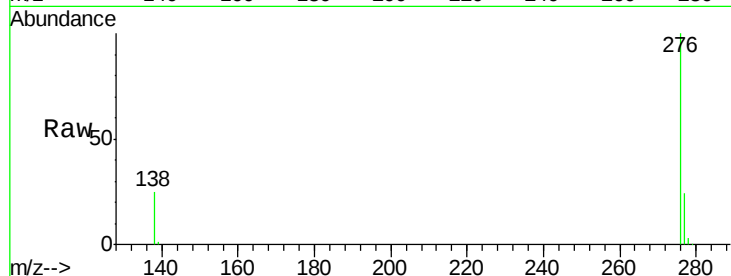
Acq: 23 May 2015 01:03

Instrument :

BNA_M

ClientSampleId :

PB83556BS



Tgt Ion: 276 Resp: 94449

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.6

138 25.5 20.2 30.2

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

