

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041015\
 Data File : BM000942.D
 Acq On : 10 Apr 2015 16:50
 Operator : TP/IZ
 Sample : G1757-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LS-SW03

Quant Time: Apr 10 23:20:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM040915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 23:03:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	26199	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	97307	5.00	ng	0.00
17) Acenaphthene-d10	14.25	164	42013	5.00	ng	-0.01
24) Phenanthrene-d10	16.99	188	97960	5.00	ng	-0.01
30) Chrysene-d12	21.20	240	84608	5.00	ng	0.00
38) Perylene-d12	23.39	264	76086	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	22753	4.10	ng	0.02
5) Phenol-d6	6.78	99	18533	2.79	ng	0.00
9) Nitrobenzene-d5	8.76	82	34367	7.31	ng	0.00
18) 2,4,6-Tribromophenol	15.75	330	23516	13.41	ng	-0.01
19) 2-Fluorobiphenyl	12.88	172	119451	10.15	ng	0.00
33) Terphenyl-d14	19.66	244	114899	11.15	ng	0.01

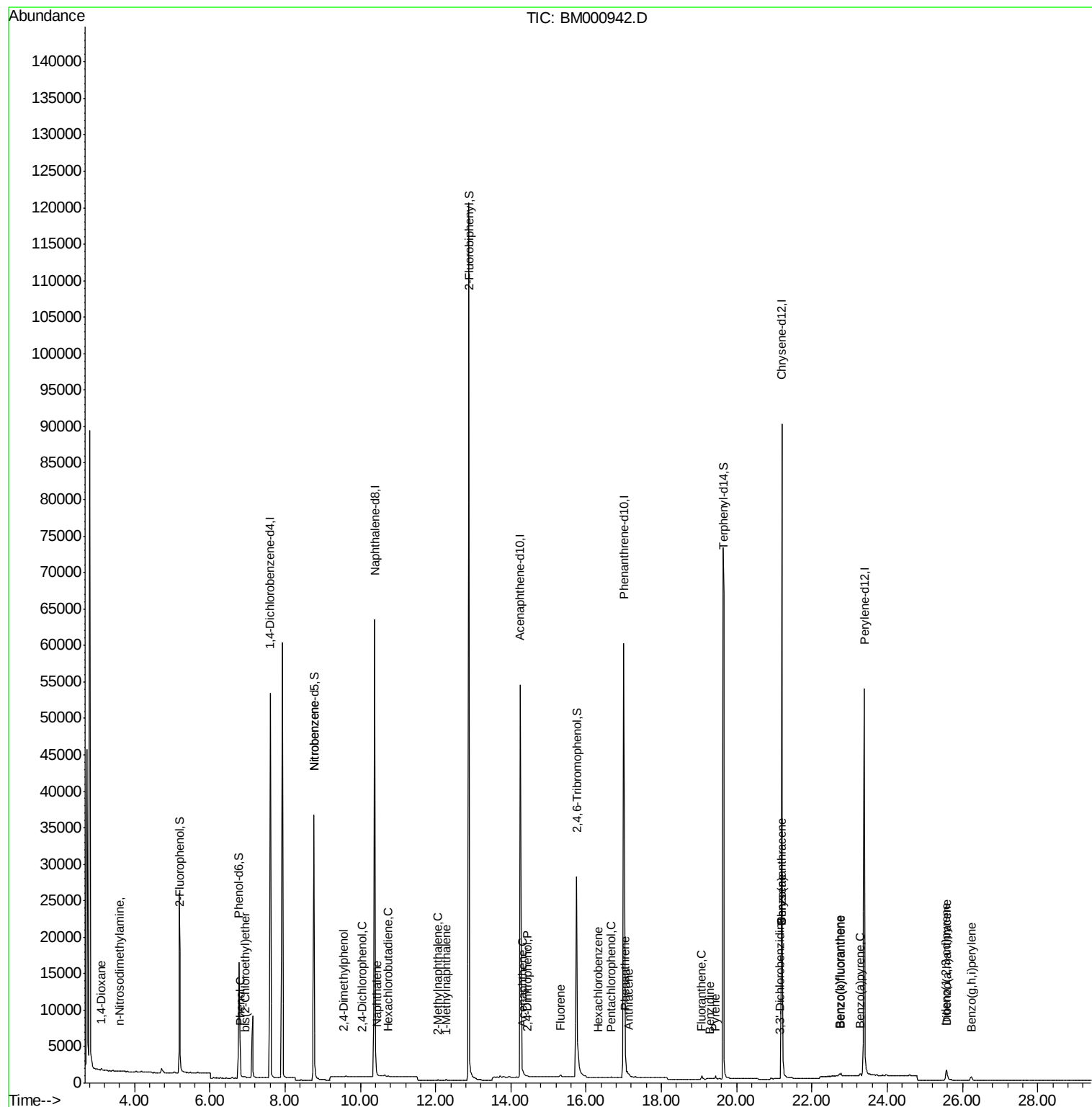
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	781	0.23	ng	# 31
3) n-Nitrosodimethylamine	3.60	42	65	0.03	ng	# 1
6) Phenol	6.82	94	324	0.05	ng	# 21
7) bis(2-Chloroethyl)ether	6.95	93	178	0.03	ng	# 89
10) Nitrobenzene	8.76	77	154	0.20	ng	# 64
11) 2,4-Dimethylphenol	9.56	122	83	0.02	ng	# 72
12) 2,4-Dichlorophenol	10.05	162	64	0.01	ng	# 60
13) Naphthalene	10.44	128	402	0.02	ng	# 50
14) Hexachlorobutadiene	10.74	225	39	0.01	ng	# 59
15) 2-Methylnaphthalene	12.07	142	149	0.01	ng	# 72
16) 1-Methylnaphthalene	12.29	142	156	0.01	ng	# 86
20) Acenaphthylene	13.96	152	183	Below Cal		# 23
21) Acenaphthene	14.32	154	169	0.01	ng	# 84
22) 2,4-Dinitrophenol	14.42	184	12	0.23	ng	# 14
23) Fluorene	15.32	166	262	0.02	ng	# 64
25) Hexachlorobenzene	16.32	284	69	0.01	ng	# 1
26) Pentachlorophenol	16.67	266	182	0.26	ng	# 82
27) Phenanthrene	17.04	178	567	0.02	ng	# 60
28) Anthracene	17.14	178	305	0.01	ng	# 34
29) Fluoranthene	19.07	202	475	0.02	ng	# 70
31) Benzidine	19.30	184	170	0.05	ng	# 1
32) Pyrene	19.43	202	429	0.02	ng	# 64
34) Benzo(a)anthracene	21.18	228	745	0.03	ng	# 80
35) 3,3'-Dichlorobenzidine	21.14	252	99	0.31	ng	# 41
36) Chrysene	21.18	228	745	0.03	ng	# 85
37) Indeno(1,2,3-cd)pyrene	25.57	276	1647	0.06	ng	# 96
39) Benzo(b)fluoranthene	22.73	252	549	0.02	ng	# 1
40) Benzo(k)fluoranthene	22.77	252	519	0.02	ng	# 1
41) Benzo(a)pyrene	23.28	252	524	0.02	ng	# 1
42) Dibenzo(a,h)anthracene	25.58	278	1856	0.10	ng	# 71
43) Benzo(g,h,i)perylene	26.23	276	1069	0.05	ng	# 73

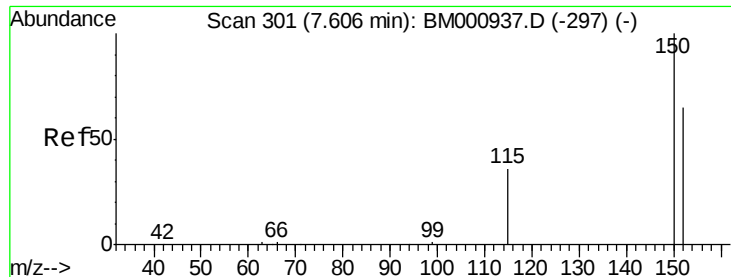
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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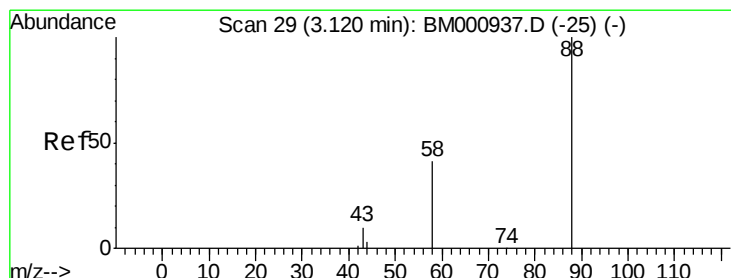
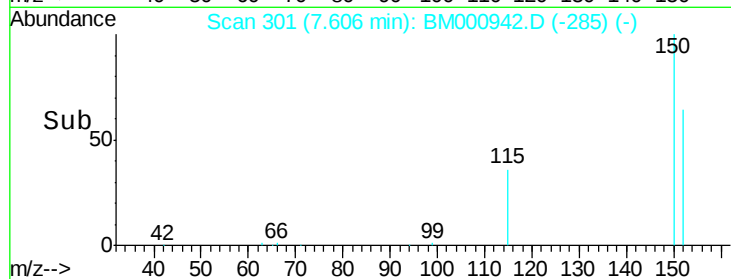
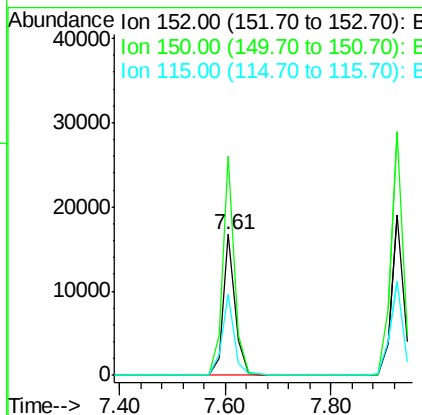
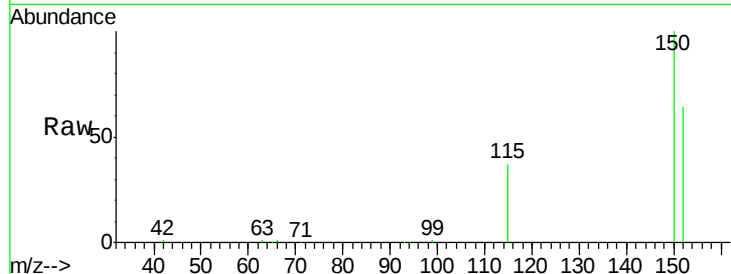


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 301
Delta R.T. 0.00 min
Lab File: BM000942.D
Acq: 10 Apr 2015 16:50

Instrument :
BNA_M
ClientSampleId :
LS-SW03

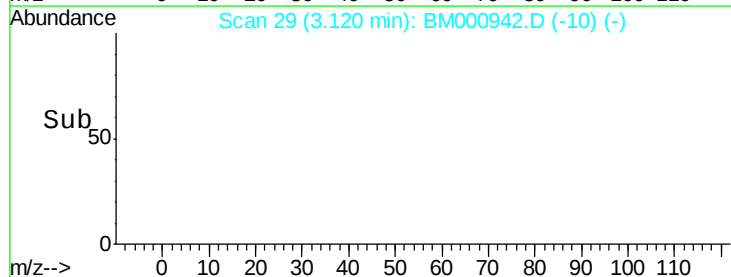
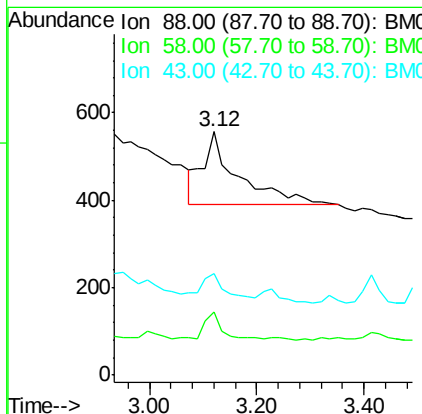
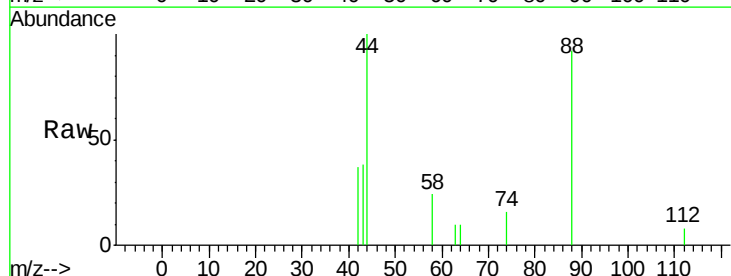
Tgt Ion:152 Resp: 26199
Ion Ratio Lower Upper
152 100
150 155.7 125.4 188.2
115 57.1 45.9 68.9

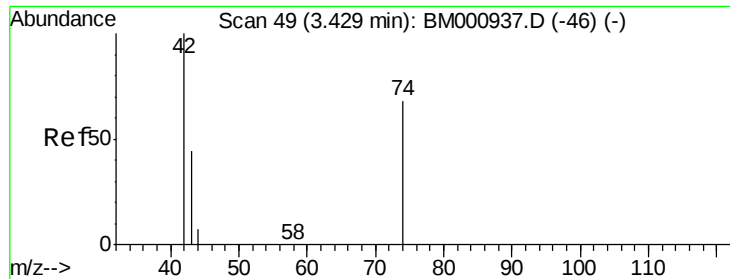


#2

1,4-Dioxane
Concen: 0.23 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000942.D
Acq: 10 Apr 2015 16:50

Tgt Ion: 88 Resp: 781
Ion Ratio Lower Upper
88 100
58 15.1 63.0 94.6#
43 0.0 27.0 40.4#





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.60 min Scan# 60

Delta R.T. 0.17 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

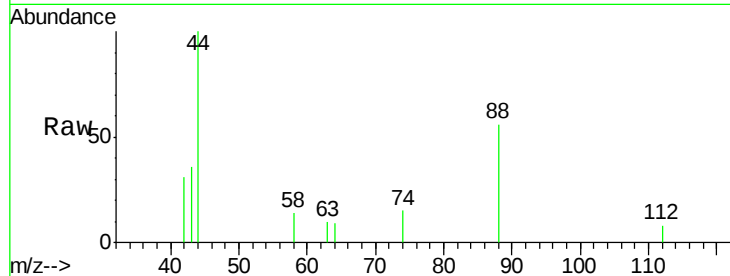
Tgt Ion: 42 Resp: 65

Ion Ratio Lower Upper

42 100

74 49.2 26.0 39.0#

44 318.8 29.0 43.4#

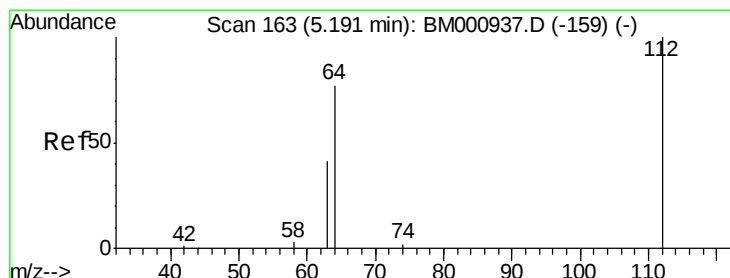
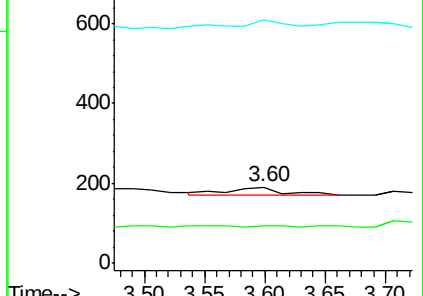
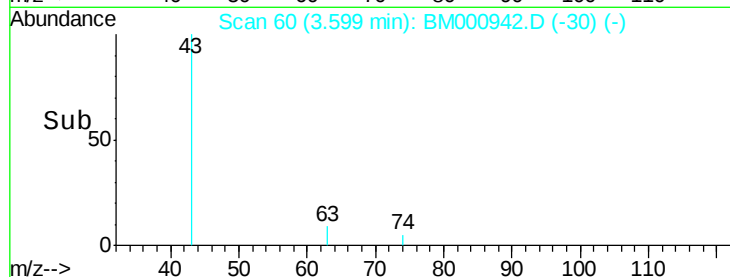


Abundance Ion 42.00 (41.70 to 42.70): BM000937.D (-46) (-)

Ion 74.00 (73.70 to 74.70): BM000937.D (-46) (-)

Ion 44.00 (43.70 to 44.70): BM000937.D (-46) (-)

Time-->



#4

2-Fluorophenol

Concen: 4.10 ng

RT: 5.21 min Scan# 164

Delta R.T. 0.02 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

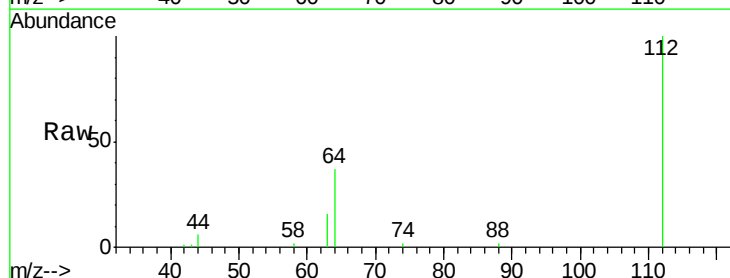
Tgt Ion: 112 Resp: 22753

Ion Ratio Lower Upper

112 100

64 37.4 31.8 47.8

63 16.3 14.5 21.7

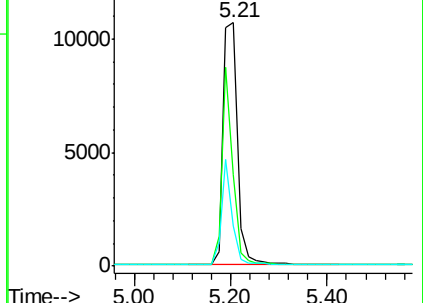
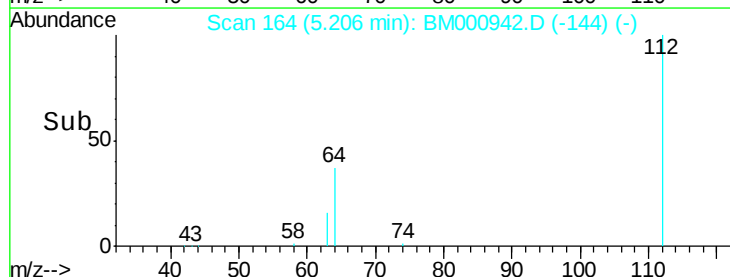


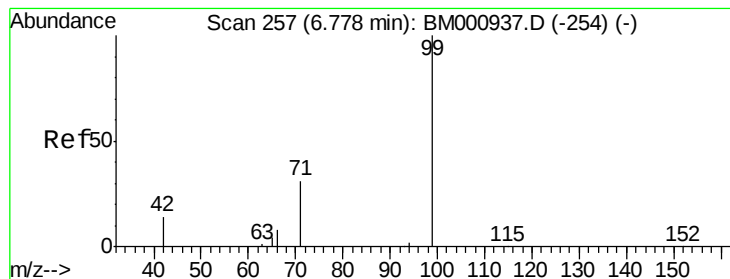
Abundance Ion 112.00 (111.70 to 112.70): BM000937.D (-159) (-)

Ion 64.00 (63.70 to 64.70): BM000937.D (-159) (-)

Ion 63.00 (62.70 to 63.70): BM000937.D (-159) (-)

Time-->





#5

Phenol-d6

Concen: 2.79 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

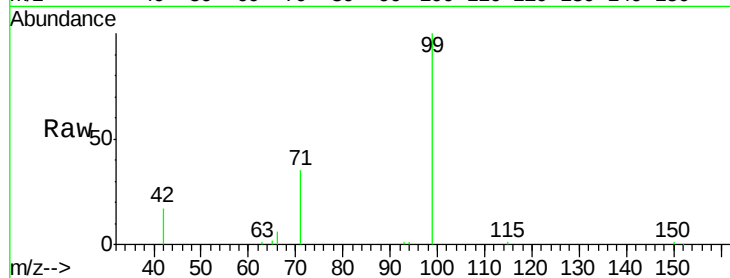
Tgt Ion: 99 Resp: 18533

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

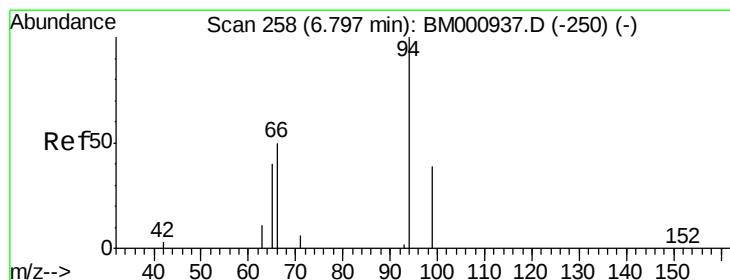
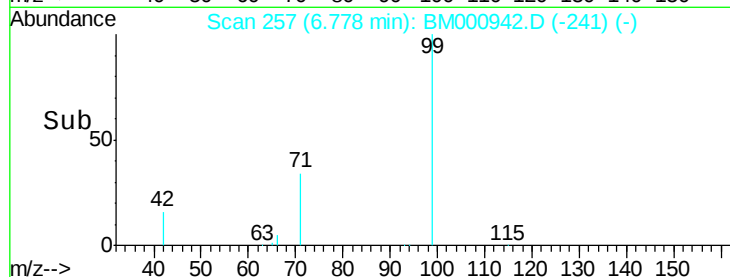
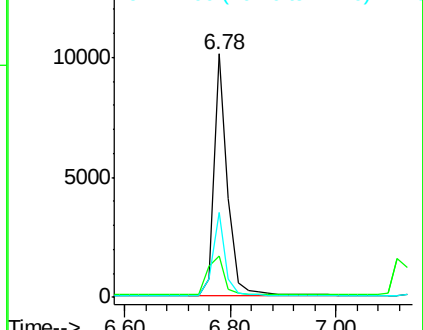
71 34.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM000942.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM000942.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM000942.D (-254) (-)



#6

Phenol

Concen: 0.05 ng

RT: 6.82 min Scan# 259

Delta R.T. 0.02 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

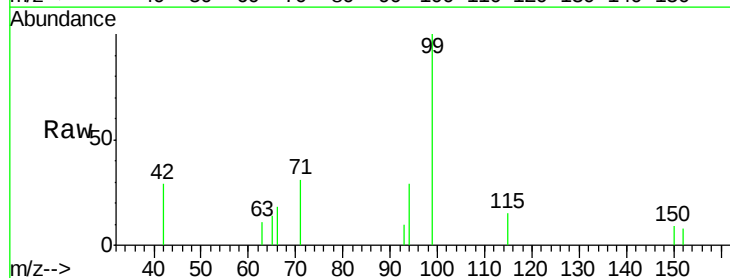
Tgt Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

65 48.9 0.0 36.0#

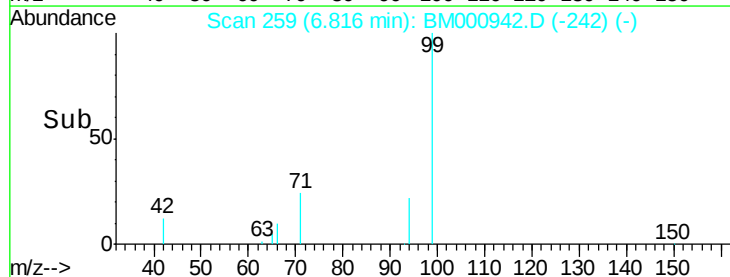
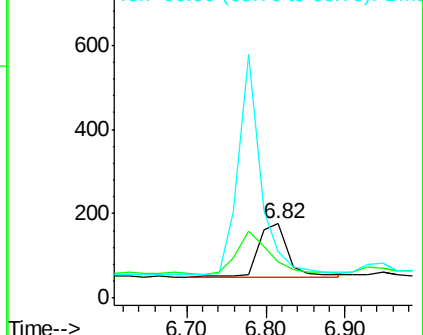
66 63.1 3.7 43.7#

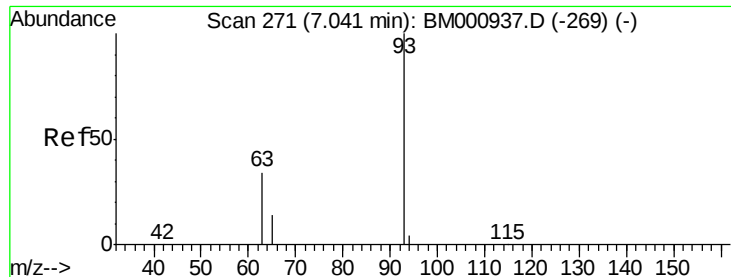


Abundance Ion 94.00 (93.70 to 94.70): BM000942.D (-250) (-)

Ion 65.00 (64.70 to 65.70): BM000942.D (-250) (-)

Ion 66.00 (65.70 to 66.70): BM000942.D (-250) (-)





#7

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 6.95 min Scan# 266

Delta R.T. -0.09 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

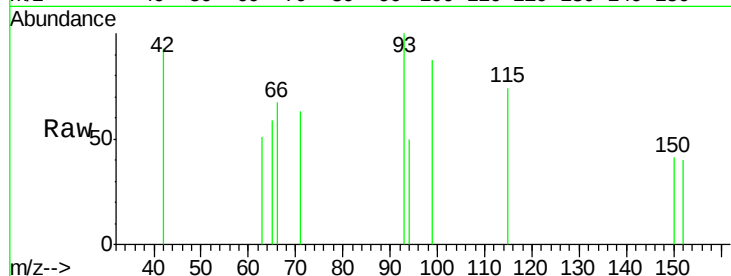
Tgt Ion: 93 Resp: 178

Ion Ratio Lower Upper

93 100

63 51.2 24.0 64.0

95 0.0 0.0 20.0



Abundance Ion 93.00 (92.70 to 93.70): BM000937.D (-269) (-)

Ion 63.00 (62.70 to 63.70): BM000937.D (-269) (-)

Ion 95.00 (94.70 to 95.70): BM000937.D (-269) (-)

6.95

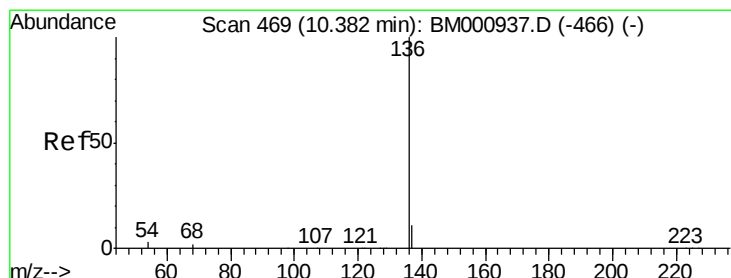
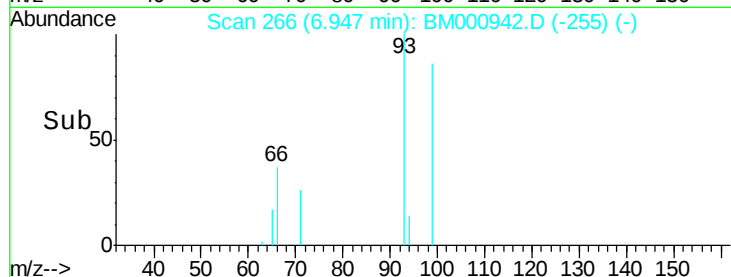
100

50

0

6.80 6.90 7.00

Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Tgt Ion: 136 Resp: 97307

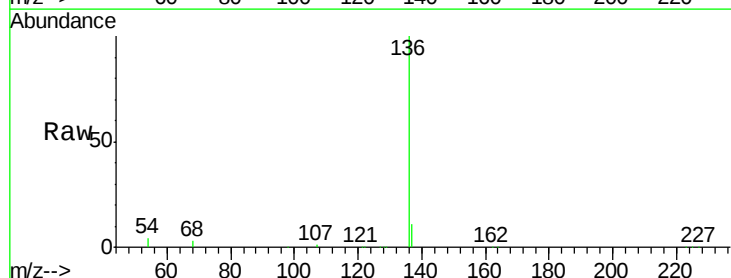
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 4.0 2.9 4.3

68 3.0 2.2 3.2



Abundance Ion 136.00 (135.70 to 136.70): BM000937.D (-466) (-)

Ion 137.00 (136.70 to 137.70): BM000937.D (-466) (-)

Ion 54.00 (53.70 to 54.70): BM000937.D (-466) (-)

Ion 68.00 (67.70 to 68.70): BM000937.D (-466) (-)

10.38

80000

60000

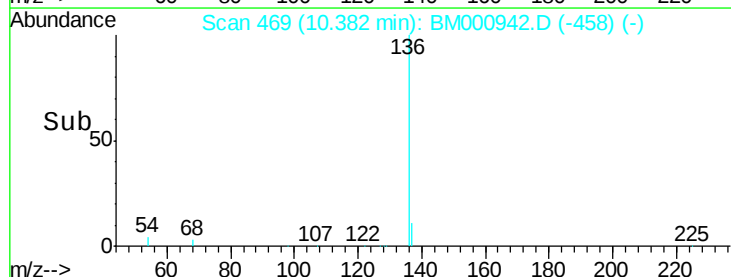
40000

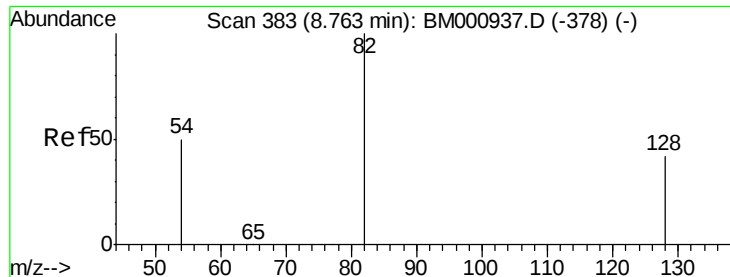
20000

0

10.20 10.40 10.60

Time-->





#9

Nitrobenzene-d5

Concen: 7.31 ng

RT: 8.76 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

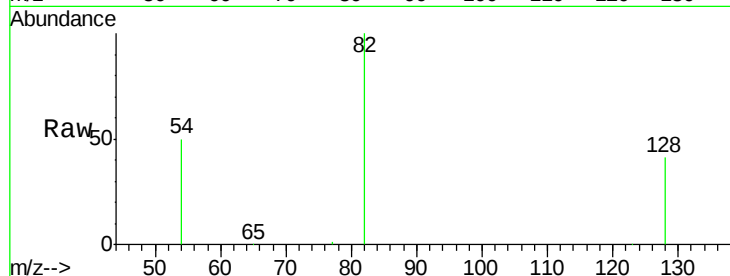
Tgt Ion: 82 Resp: 34367

Ion Ratio Lower Upper

82 100

128 41.2 33.4 50.0

54 49.9 40.5 60.7

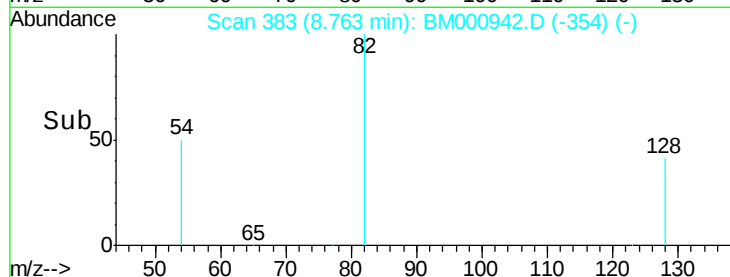


Abundance Ion 82.00 (81.70 to 82.70): BM000942.D (-378) (-)

Ion 128.00 (127.70 to 128.70): BM000942.D (-378) (-)

Ion 54.00 (53.70 to 54.70): BM000942.D (-378) (-)

Time-->



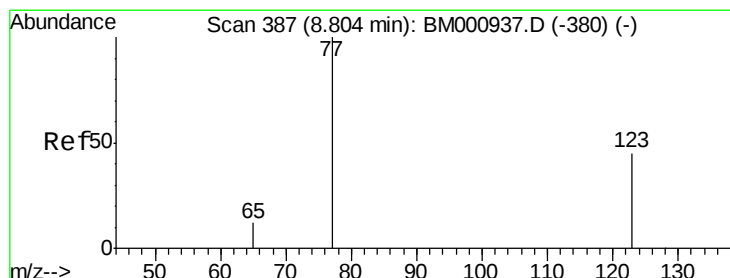
Abundance

Ion 82.00 (81.70 to 82.70): BM000942.D (-378) (-)

Ion 128.00 (127.70 to 128.70): BM000942.D (-378) (-)

Ion 54.00 (53.70 to 54.70): BM000942.D (-378) (-)

Time-->



#10

Nitrobenzene

Concen: 0.20 ng

RT: 8.76 min Scan# 383

Delta R.T. -0.04 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

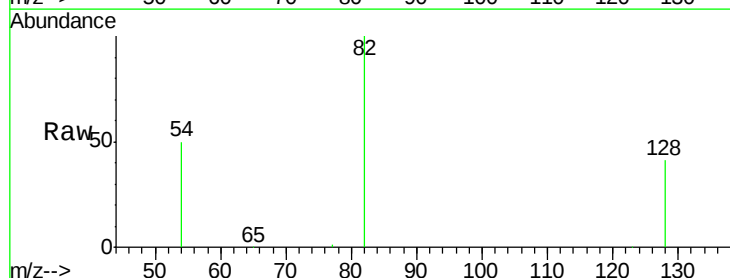
Tgt Ion: 77 Resp: 154

Ion Ratio Lower Upper

77 100

123 35.7 35.0 52.6

65 57.9 10.7 16.1#

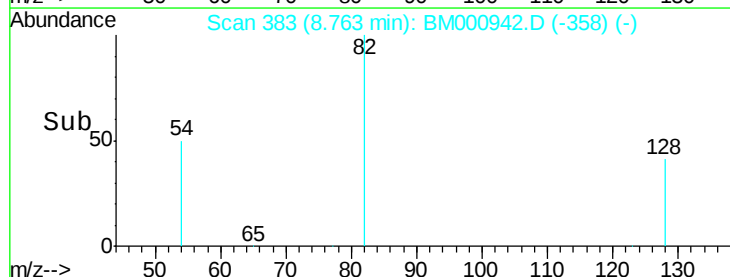


Abundance Ion 77.00 (76.70 to 77.70): BM000942.D (-380) (-)

Ion 123.00 (122.70 to 123.70): BM000942.D (-380) (-)

Ion 65.00 (64.70 to 65.70): BM000942.D (-380) (-)

Time-->



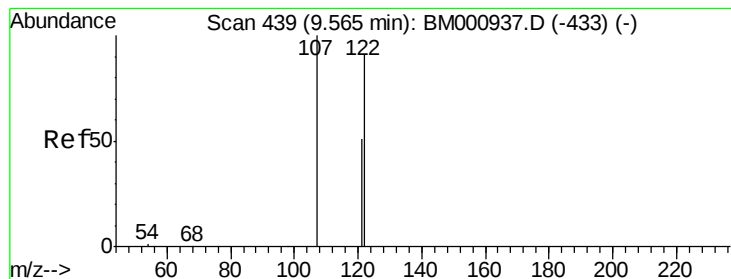
Abundance

Ion 77.00 (76.70 to 77.70): BM000942.D (-380) (-)

Ion 123.00 (122.70 to 123.70): BM000942.D (-380) (-)

Ion 65.00 (64.70 to 65.70): BM000942.D (-380) (-)

Time-->



#11

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 9.56 min Scan# 439

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

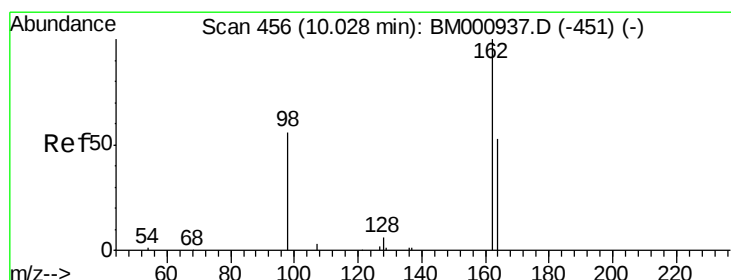
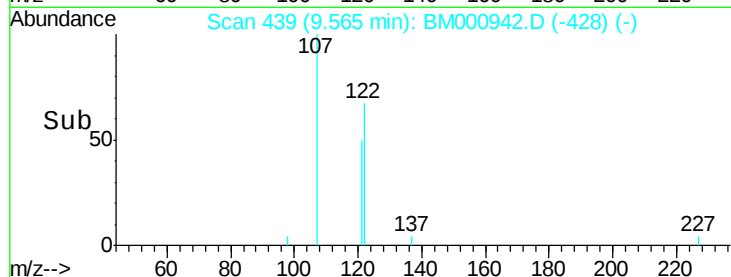
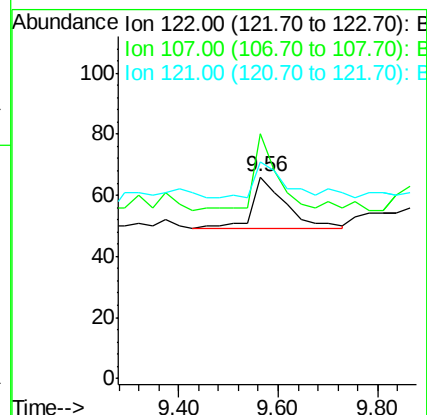
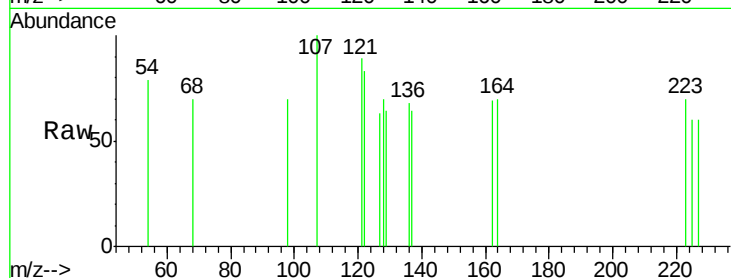
Tgt Ion:122 Resp: 83

Ion Ratio Lower Upper

122 100

107 121.2 89.8 134.6

121 107.6 46.6 70.0#



#12

2,4-Dichlorophenol

Concen: 0.01 ng

RT: 10.05 min Scan# 457

Delta R.T. 0.03 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

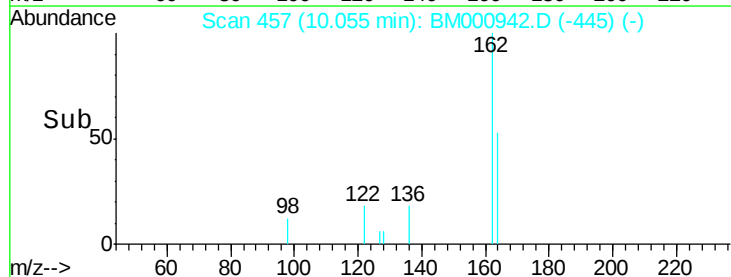
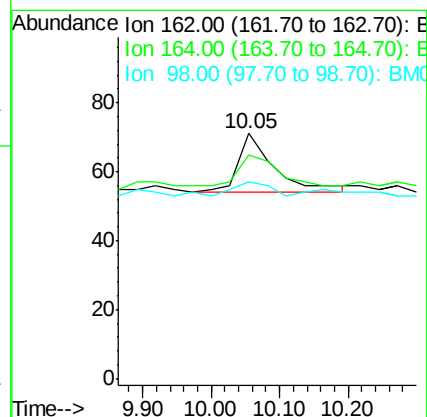
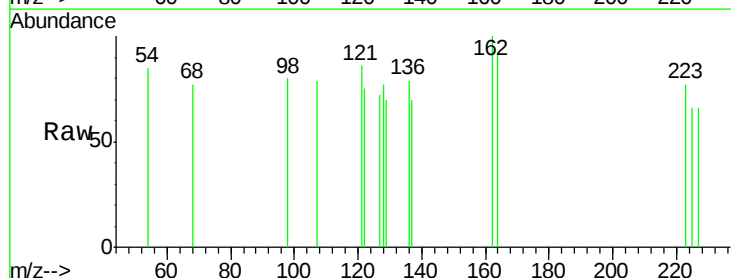
Tgt Ion:162 Resp: 64

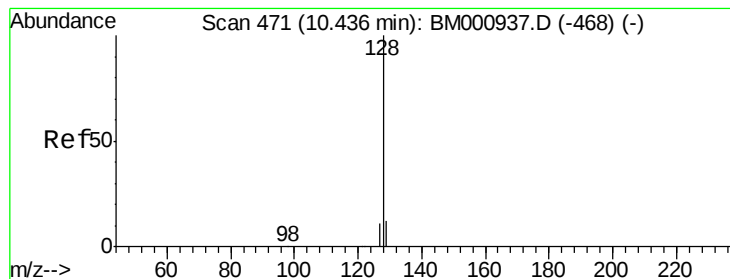
Ion Ratio Lower Upper

162 100

164 91.5 32.5 72.5#

98 80.3 40.5 80.5





#13

Naphthalene

Concen: 0.02 ng

RT: 10.44 min Scan# 471

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

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LS-SW03

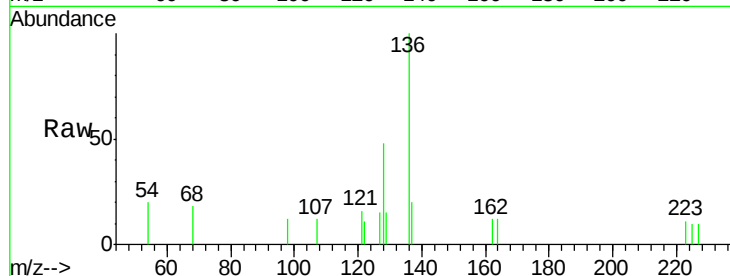
Tgt Ion:128 Resp: 402

Ion Ratio Lower Upper

128 100

129 31.4 9.8 14.6#

127 31.0 9.1 13.7#



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

10.44

250

200

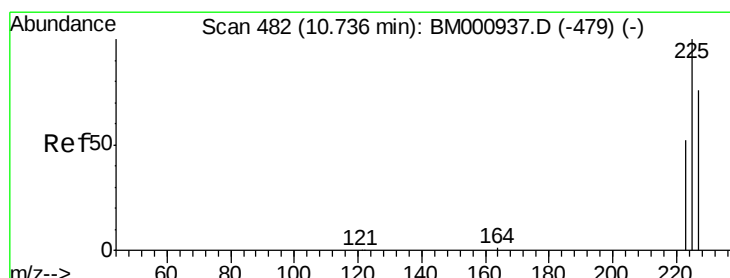
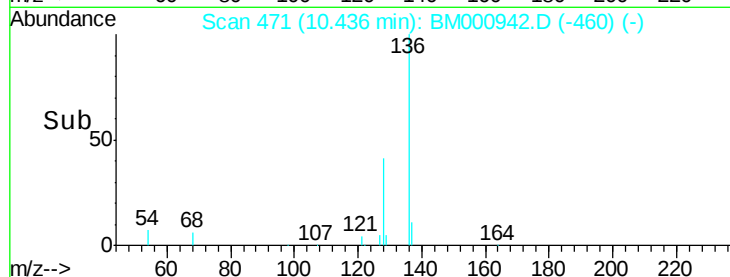
150

100

50

0

Time-->



#14

Hexachlorobutadiene

Concen: 0.01 ng

RT: 10.74 min Scan# 482

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

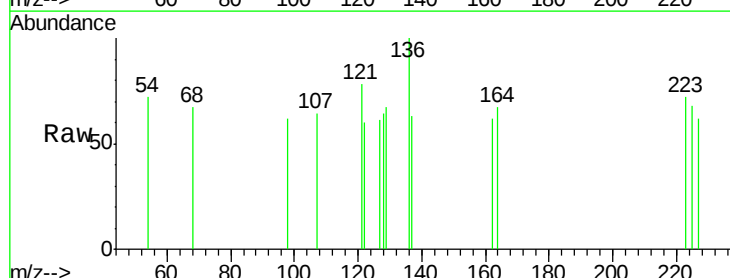
Tgt Ion:225 Resp: 39

Ion Ratio Lower Upper

225 100

223 106.8 42.2 63.2#

227 91.5 61.4 92.2



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

10.74

80

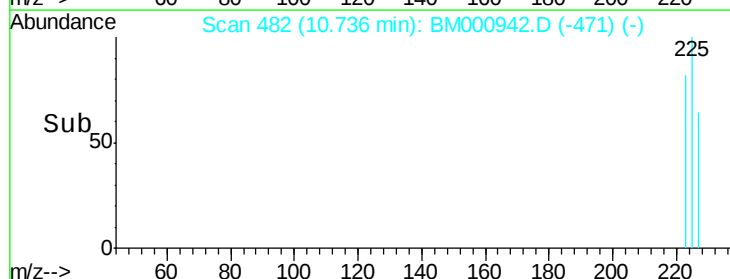
60

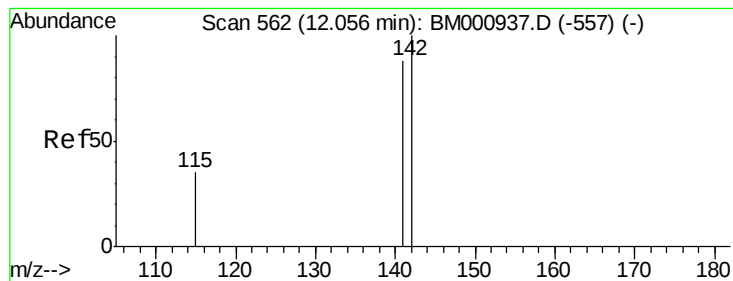
40

20

0

Time-->





#15

2-Methylnaphthalene

Concen: 0.01 ng

RT: 12.07 min Scan# 563

Delta R.T. 0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

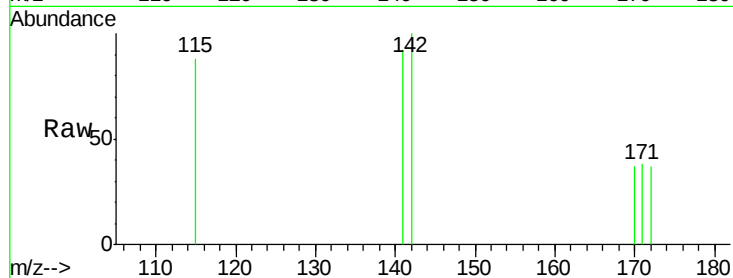
Tgt Ion:142 Resp: 149

Ion Ratio Lower Upper

142 100

141 92.1 71.2 106.8

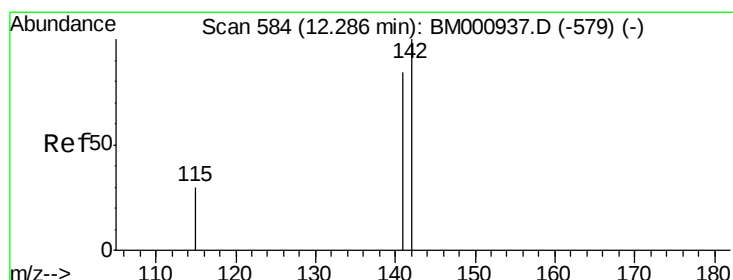
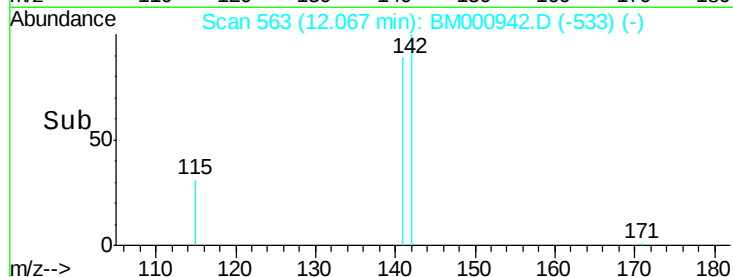
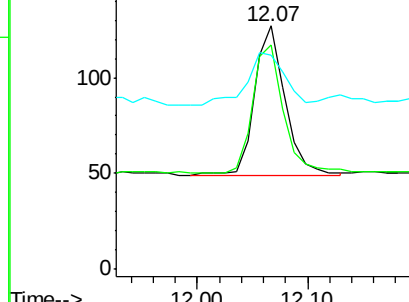
115 88.2 28.3 42.5#



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



#16

1-Methylnaphthalene

Concen: 0.01 ng

RT: 12.29 min Scan# 584

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

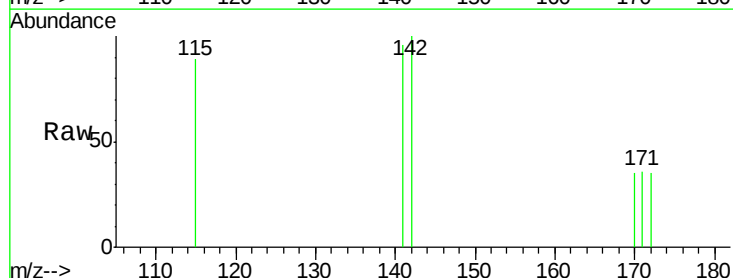
Tgt Ion:142 Resp: 156

Ion Ratio Lower Upper

142 100

141 96.2 66.7 100.1

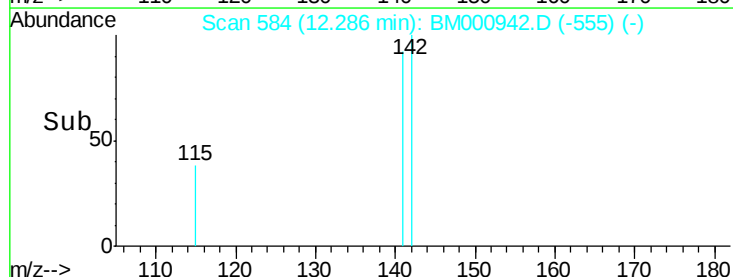
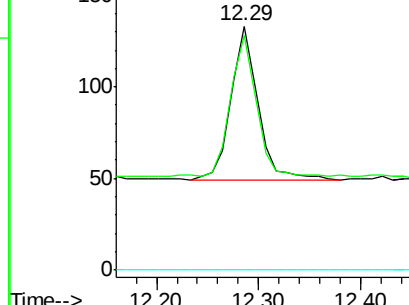
116 0.0 0.0 0.0

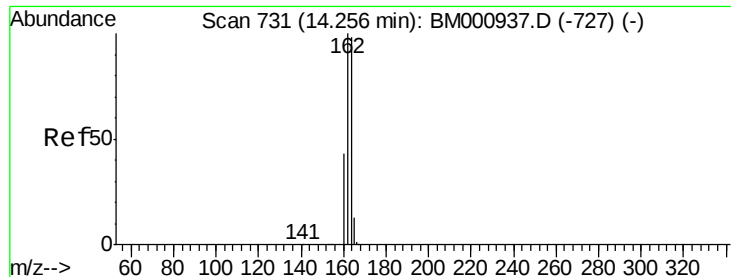


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#17

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 730

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

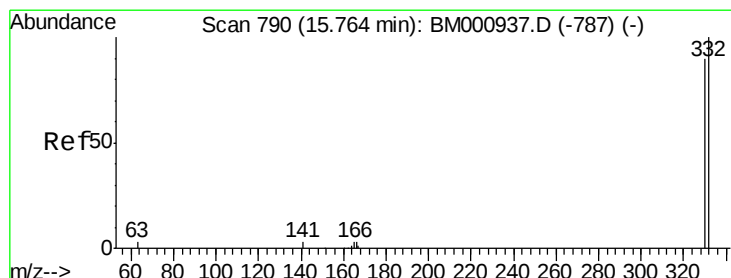
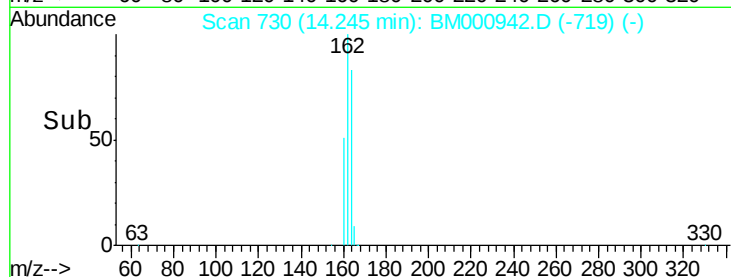
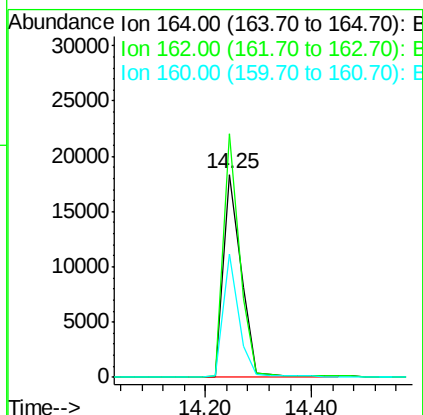
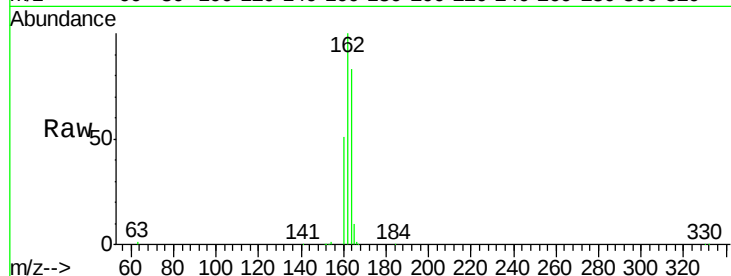
Tgt Ion:164 Resp: 42013

Ion Ratio Lower Upper

164 100

162 120.1 96.1 144.1

160 61.0 48.2 72.2



#18

2,4,6-Tribromophenol

Concen: 13.41 ng

RT: 15.75 min Scan# 789

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

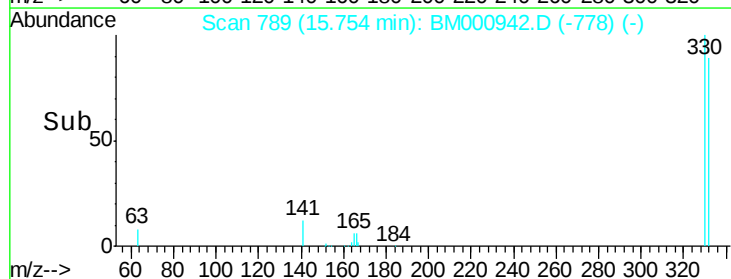
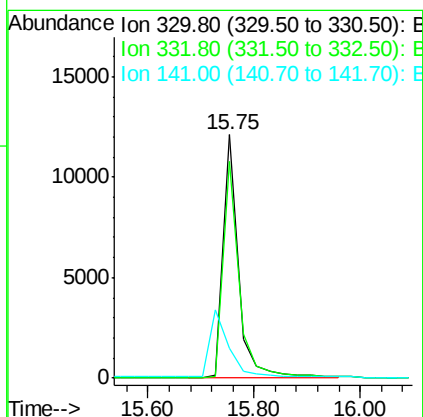
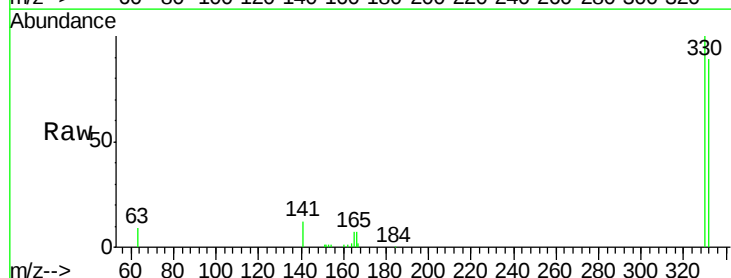
Tgt Ion:330 Resp: 23516

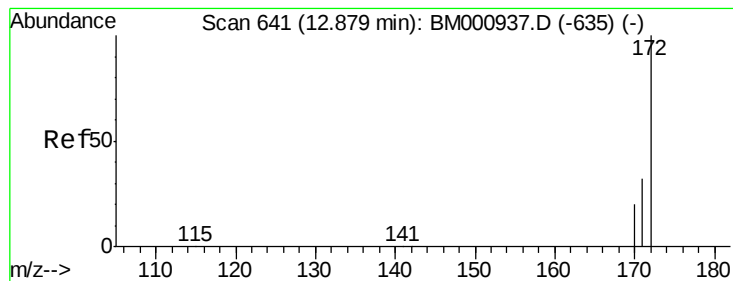
Ion Ratio Lower Upper

330 100

332 92.9 75.4 113.2

141 0.0 0.0 0.0





#19

2-Fluorobiphenyl

Concen: 10.15 ng

RT: 12.88 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

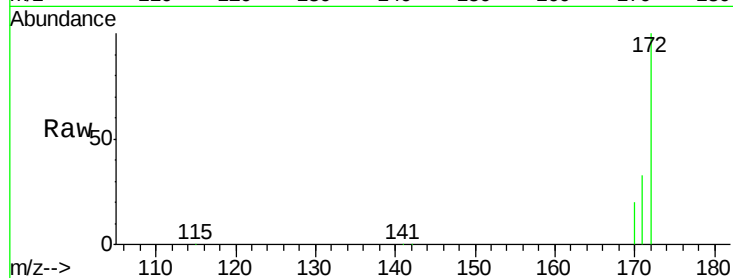
Tgt Ion:172 Resp: 119451

Ion Ratio Lower Upper

172 100

171 32.7 26.7 40.1

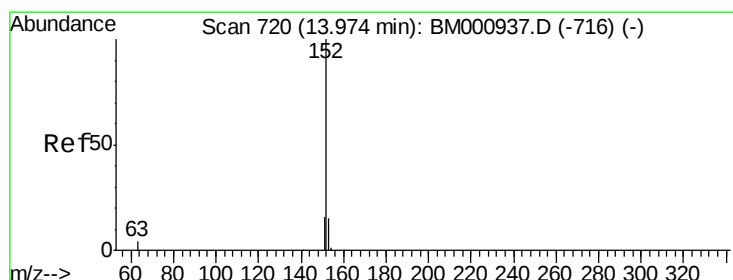
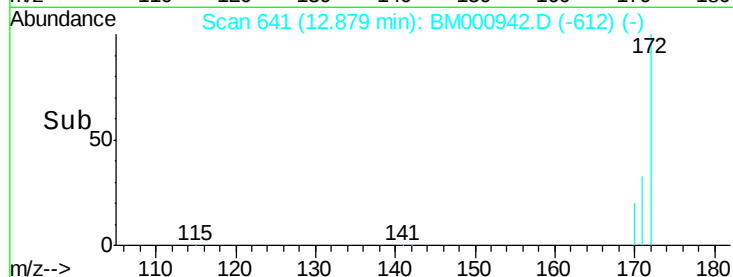
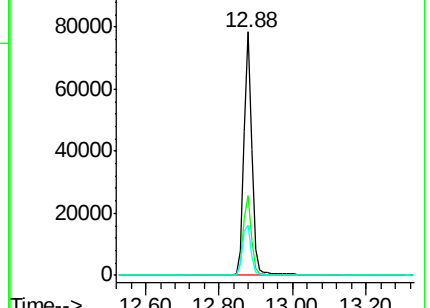
170 20.5 17.0 25.4



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



#20

Acenaphthylene

Concen: Below Cal

RT: 13.96 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

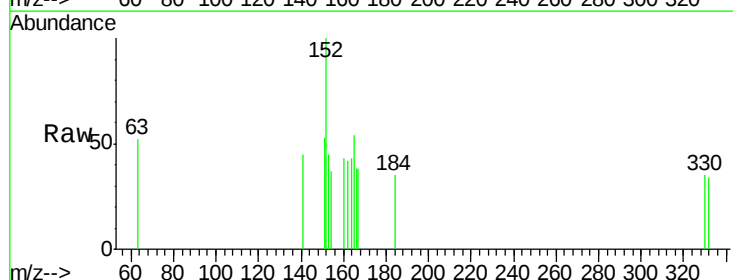
Tgt Ion:152 Resp: 183

Ion Ratio Lower Upper

152 100

151 52.9 15.4 23.0#

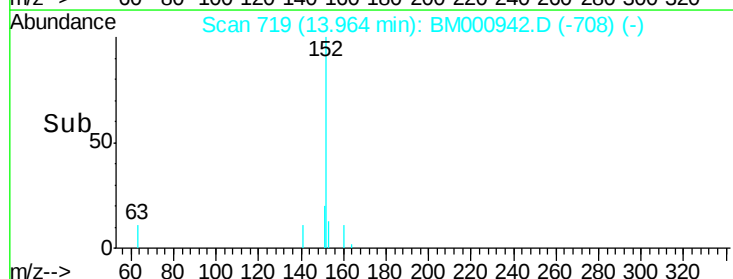
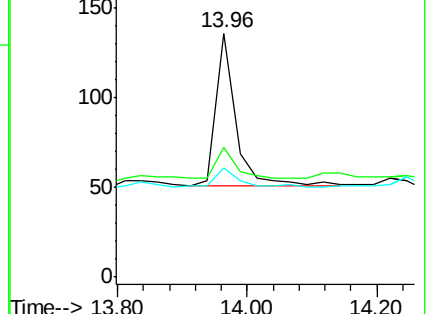
153 44.9 10.2 15.2#

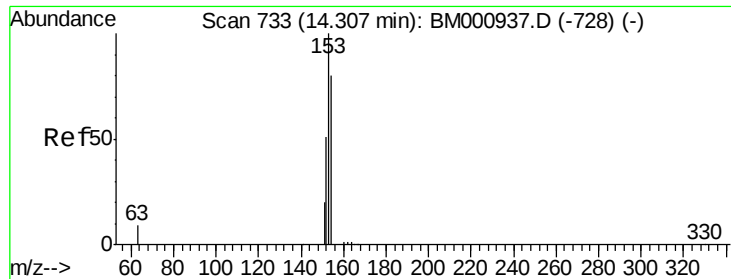


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#21

Acenaphthene

Concen: 0.01 ng

RT: 14.32 min Scan# 733

Delta R.T. 0.02 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

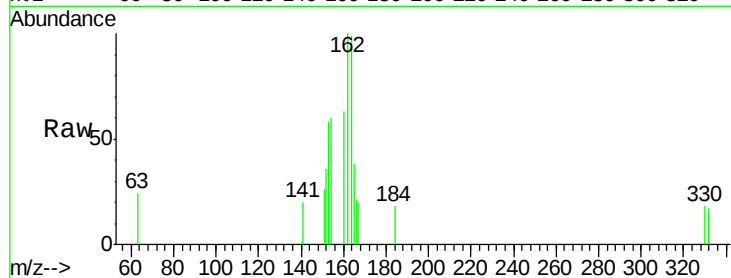
Tgt Ion:154 Resp: 169

Ion Ratio Lower Upper

154 100

153 98.1 73.7 110.5

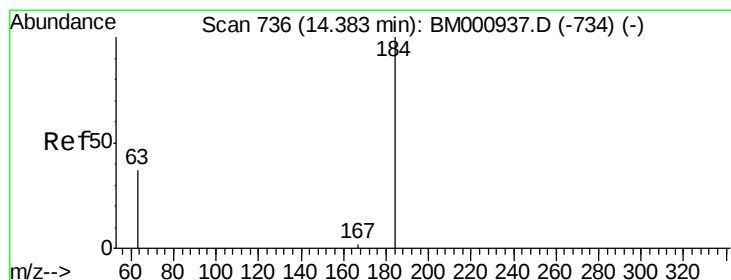
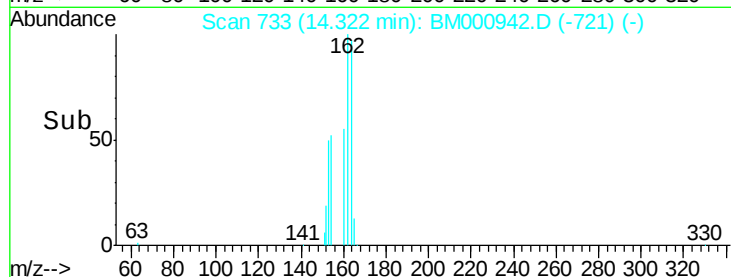
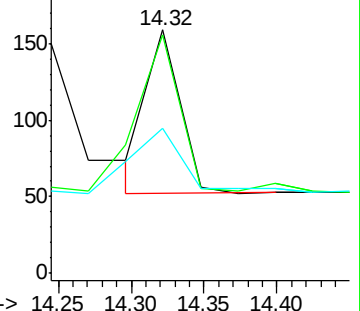
152 59.7 29.0 43.6#



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



#22

2,4-Dinitrophenol

Concen: 0.23 ng

RT: 14.42 min Scan# 737

Delta R.T. 0.04 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

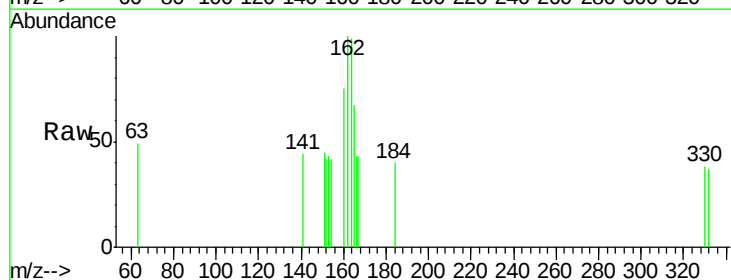
Tgt Ion:184 Resp: 12

Ion Ratio Lower Upper

184 100

63 121.6 39.0 58.4#

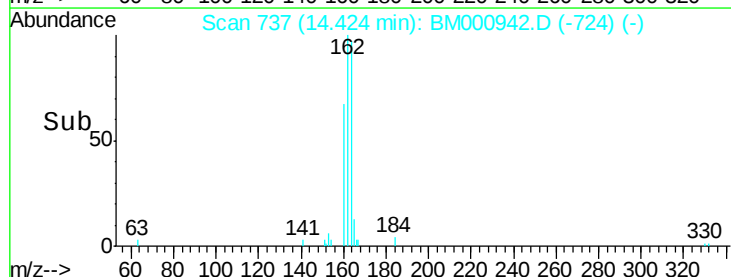
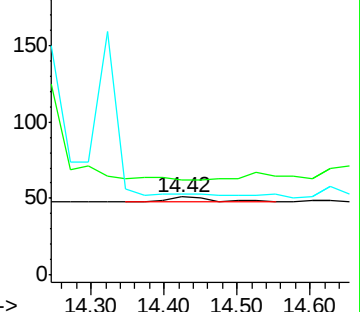
154 103.9 43.8 65.8#

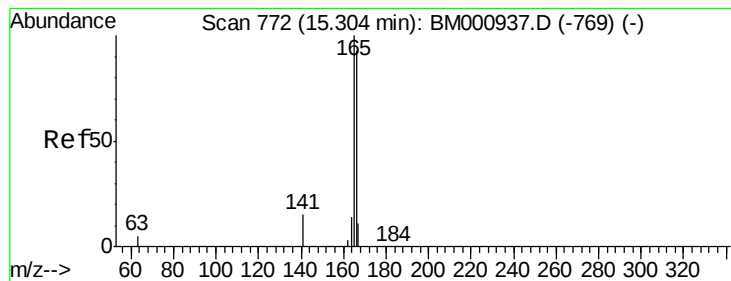


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#23

Fluorene

Concen: 0.02 ng

RT: 15.32 min Scan# 772

Delta R.T. 0.02 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

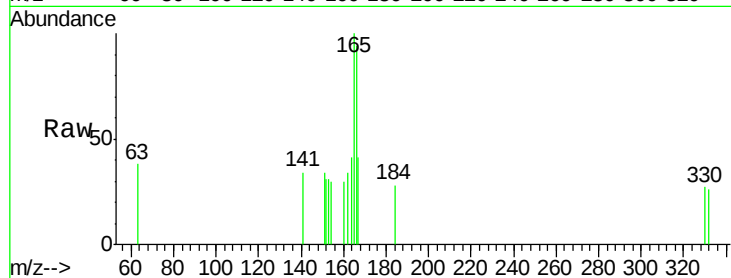
Tgt Ion:166 Resp: 262

Ion Ratio Lower Upper

166 100

165 106.0 63.7 95.5#

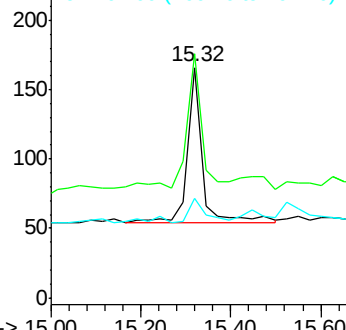
167 43.4 12.7 19.1#



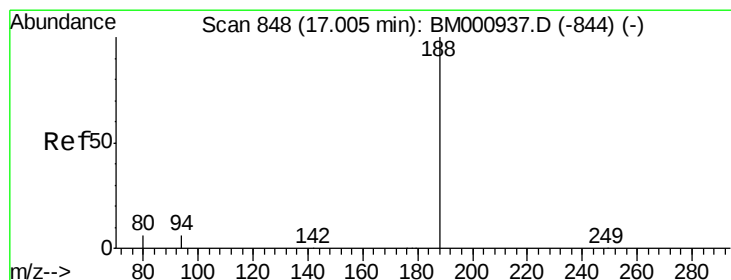
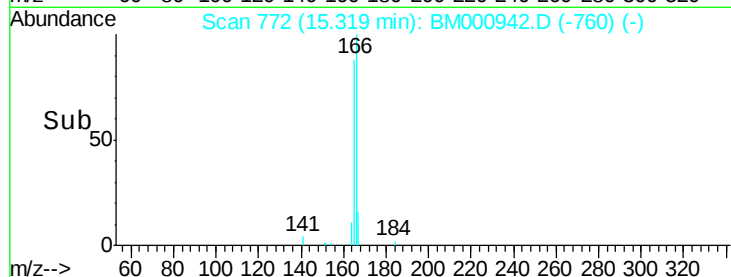
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.00 15.20 15.40 15.60



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

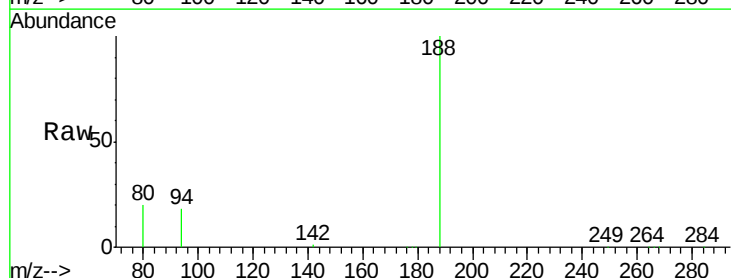
Tgt Ion:188 Resp: 97960

Ion Ratio Lower Upper

188 100

94 18.1 12.2 18.4

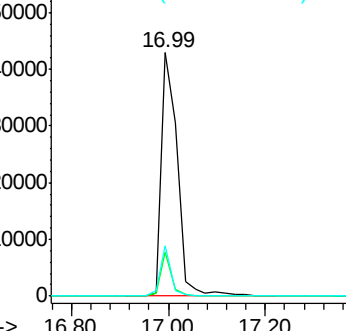
80 20.5 13.4 20.0#



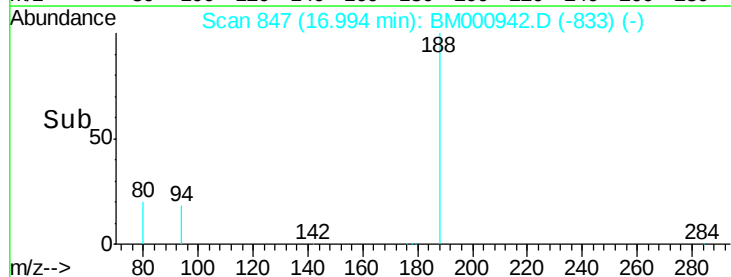
Abundance Ion 188.00 (187.70 to 188.70): E

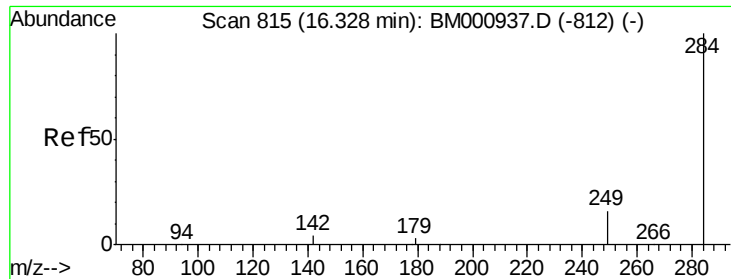
Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time--> 16.80 17.00 17.20

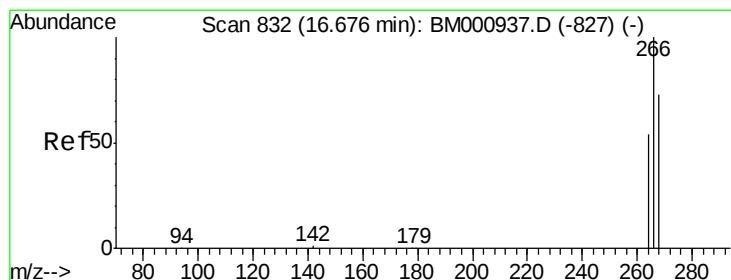
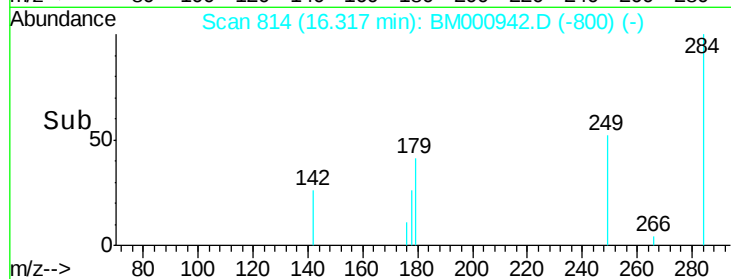
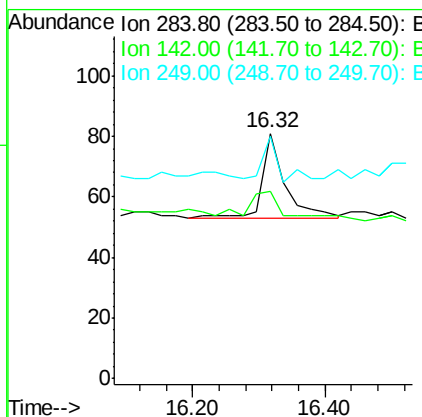
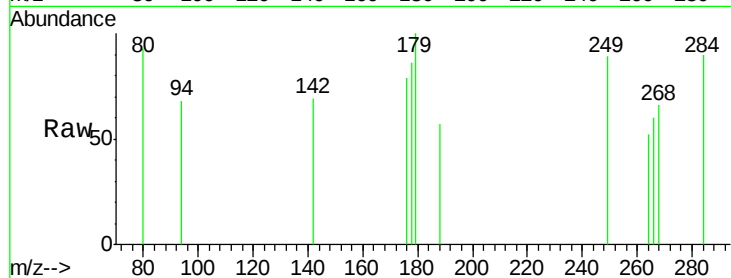




#25
Hexachlorobenzene
Concen: 0.01 ng
RT: 16.32 min Scan# 814
Delta R.T. -0.01 min
Lab File: BM000942.D
Acq: 10 Apr 2015 16:50

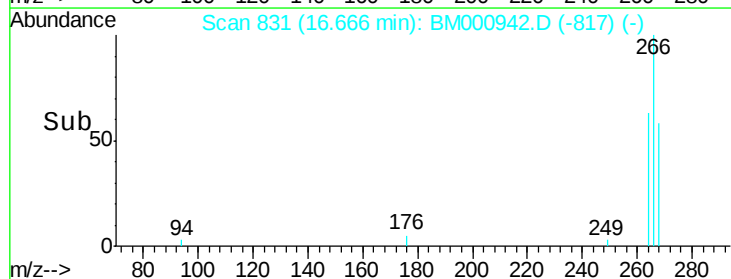
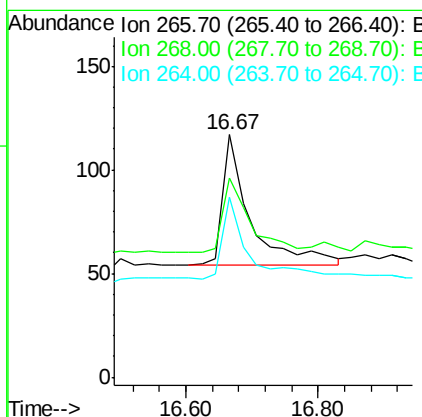
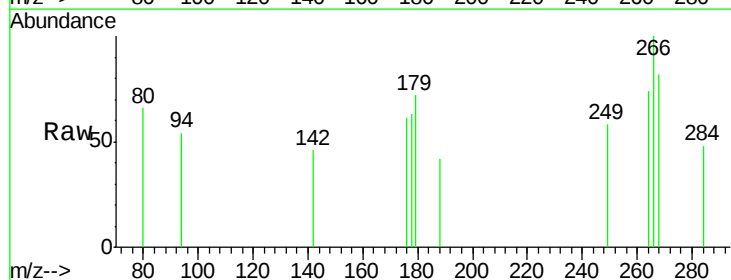
Instrument :
BNA_M
ClientSampleId :
LS-SW03

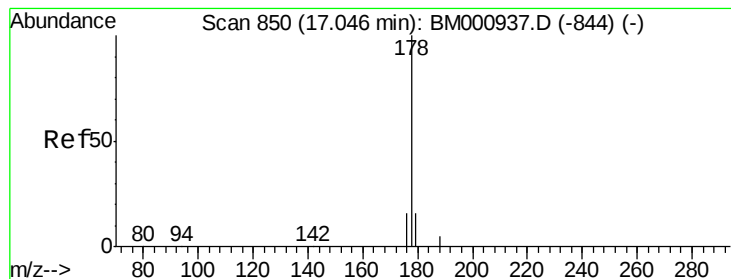
Tgt Ion: 284 Resp: 69
Ion Ratio Lower Upper
284 100
142 76.5 16.2 24.2#
249 98.8 27.4 41.2#



#26
Pentachlorophenol
Concen: 0.26 ng
RT: 16.67 min Scan# 831
Delta R.T. -0.01 min
Lab File: BM000942.D
Acq: 10 Apr 2015 16:50

Tgt Ion: 266 Resp: 182
Ion Ratio Lower Upper
266 100
268 82.1 53.0 79.4#
264 74.4 49.4 74.0#





#27

Phenanthrene

Concen: 0.02 ng

RT: 17.04 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

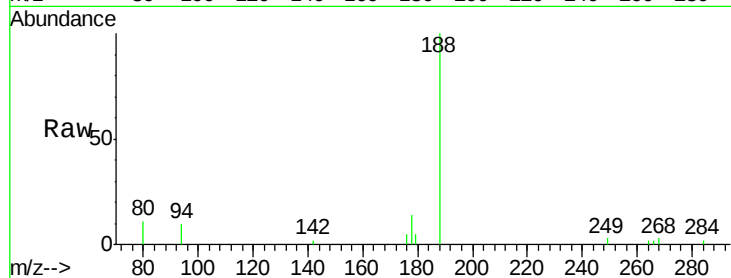
Tgt Ion:178 Resp: 567

Ion Ratio Lower Upper

178 100

176 35.9 16.0 24.0#

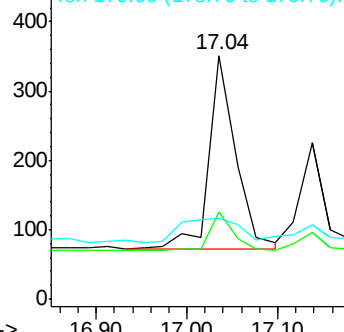
179 33.3 11.4 17.2#



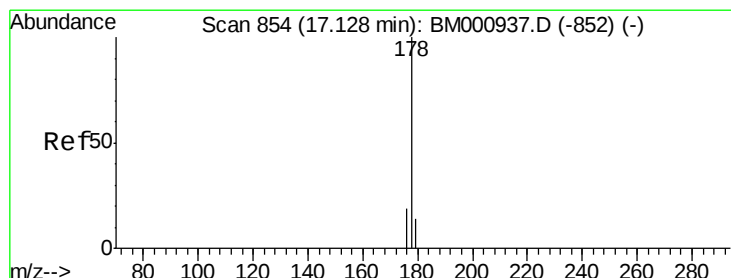
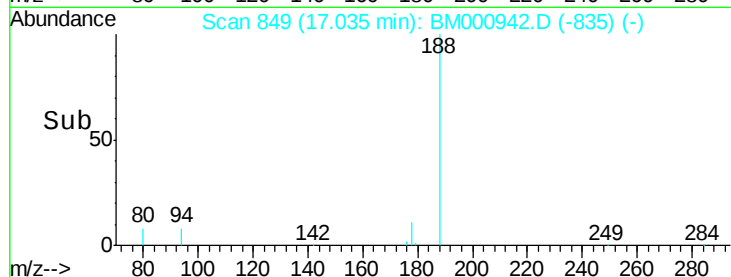
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#28

Anthracene

Concen: 0.01 ng

RT: 17.14 min Scan# 854

Delta R.T. 0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

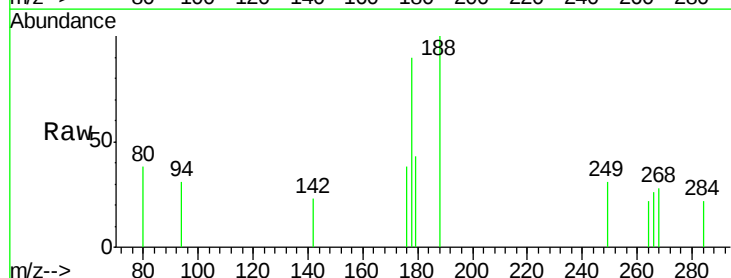
Tgt Ion:178 Resp: 305

Ion Ratio Lower Upper

178 100

176 42.5 12.7 19.1#

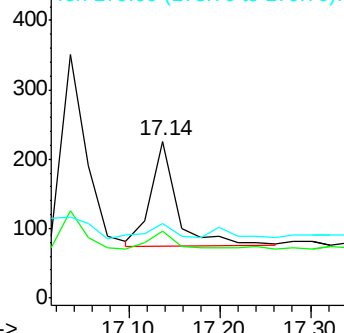
179 47.3 13.9 20.9#



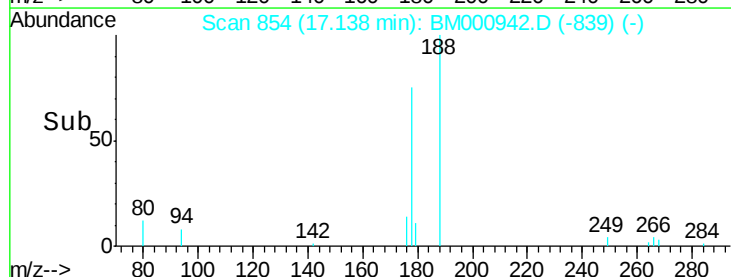
Abundance Ion 178.00 (177.70 to 178.70): E

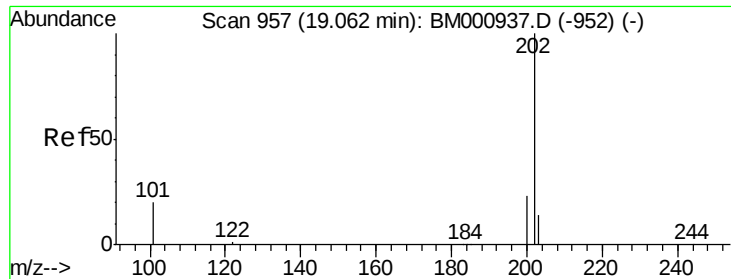
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

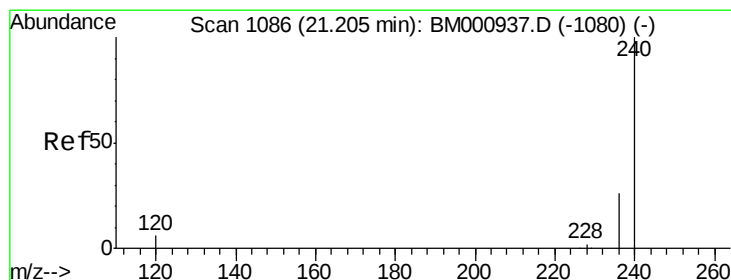
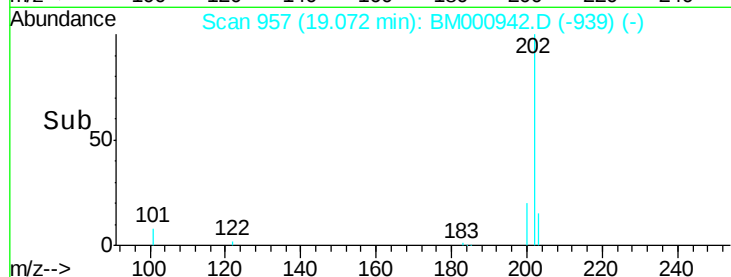
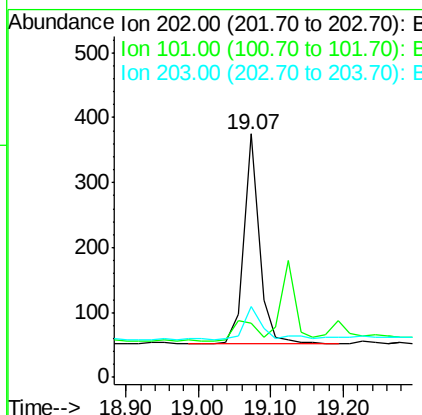
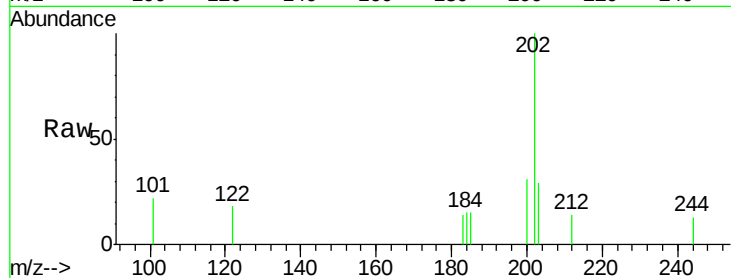




#29
Fluoranthene
 Concen: 0.02 ng
 RT: 19.07 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

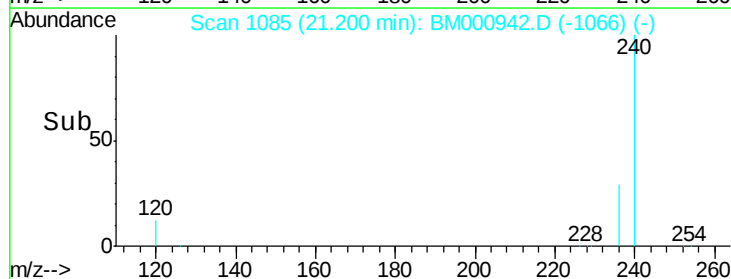
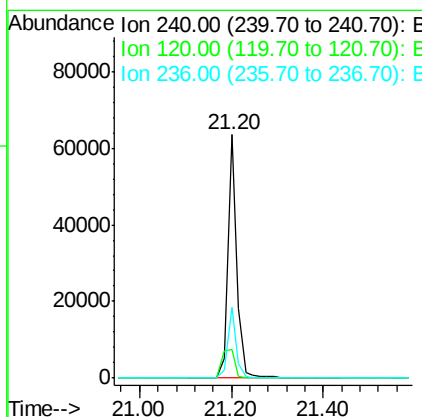
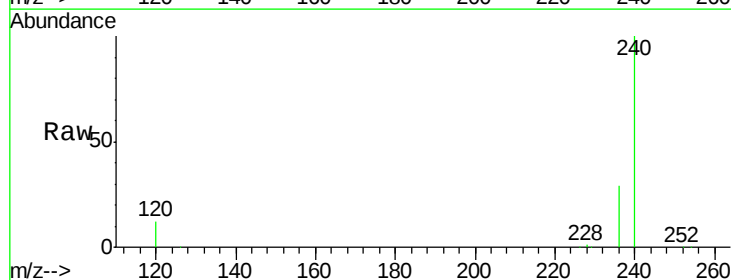
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW03

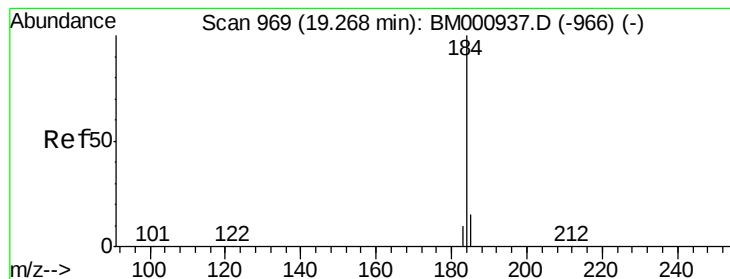
Tgt Ion: 202 Resp: 475
 Ion Ratio Lower Upper
 202 100
 101 22.1 0.0 24.1
 203 29.1 0.0 38.4



#30
Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

Tgt Ion: 240 Resp: 84608
 Ion Ratio Lower Upper
 240 100
 120 11.6 6.8 10.2#
 236 29.1 22.1 33.1





#31

Benzidine

Concen: 0.05 ng

RT: 19.30 min Scan# 970

Delta R.T. 0.03 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

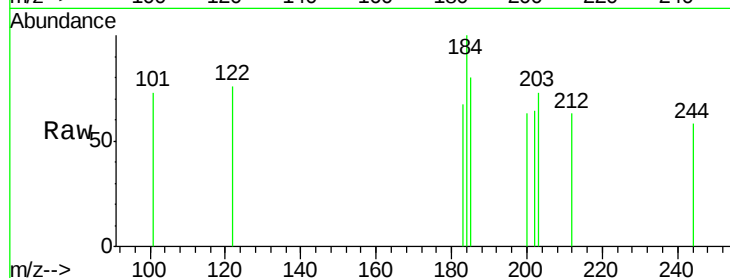
Tgt Ion:184 Resp: 170

Ion Ratio Lower Upper

184 100

185 79.5 12.2 18.4#

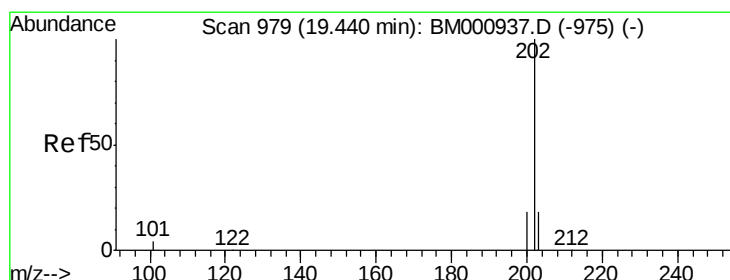
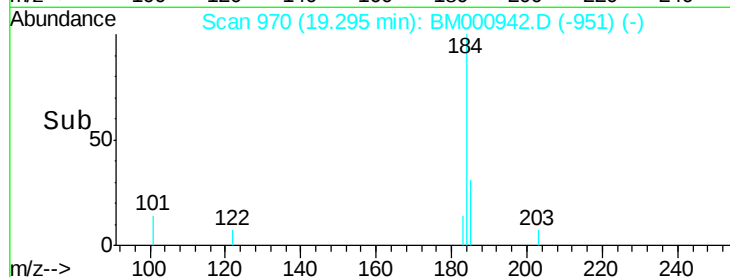
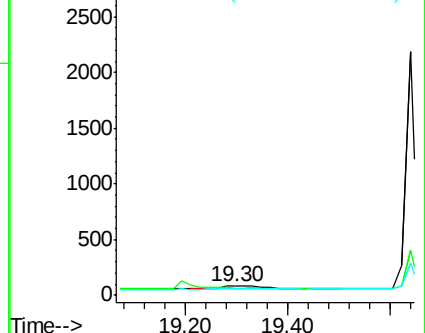
183 67.5 10.3 15.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#32

Pyrene

Concen: 0.02 ng

RT: 19.43 min Scan# 978

Delta R.T. -0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

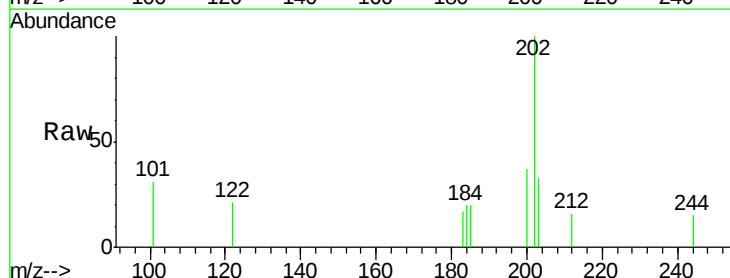
Tgt Ion:202 Resp: 429

Ion Ratio Lower Upper

202 100

200 36.5 16.2 24.4#

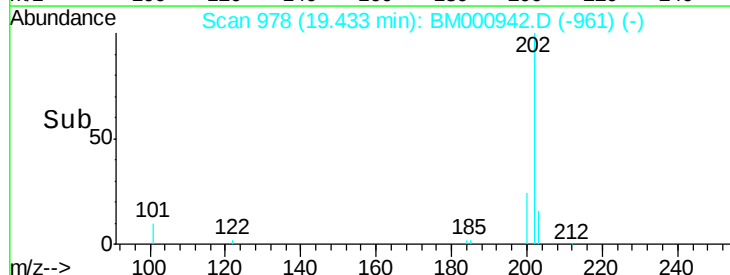
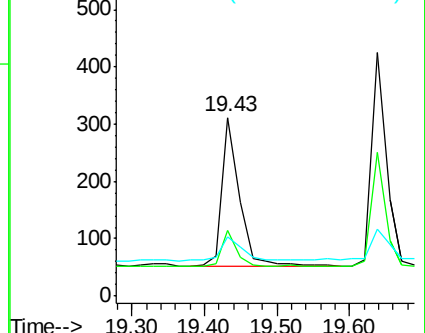
203 33.0 13.5 20.3#

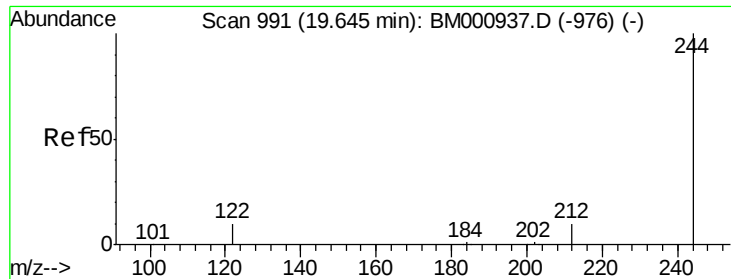


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

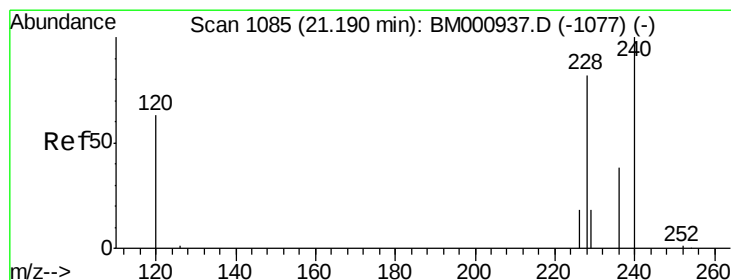
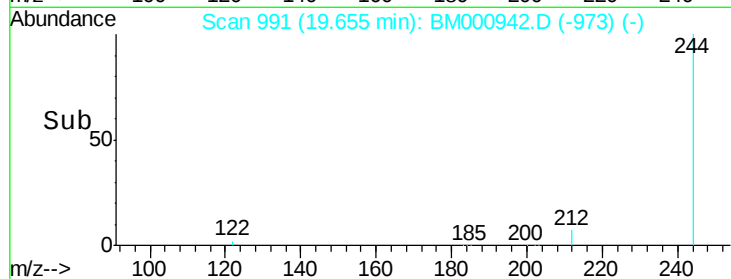
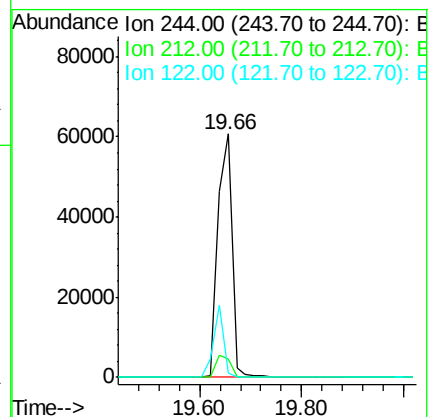
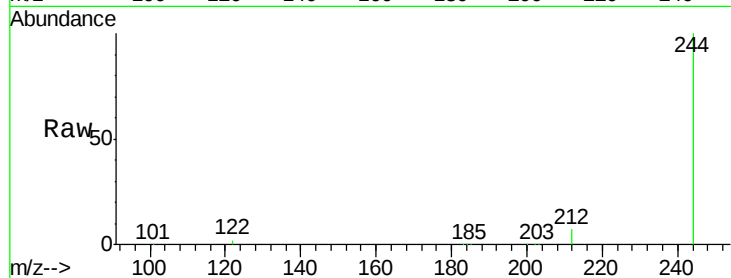




#33
 Terphenyl-d14
 Concen: 11.15 ng
 RT: 19.66 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

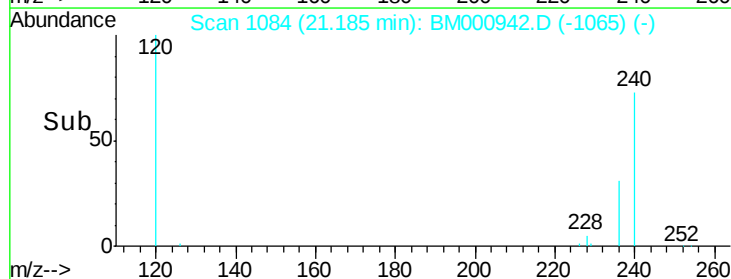
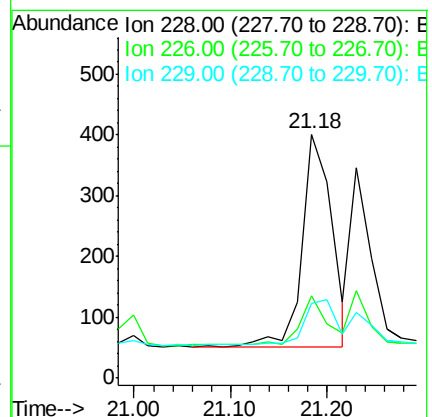
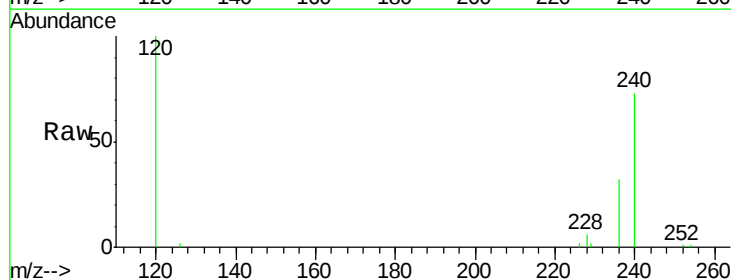
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW03

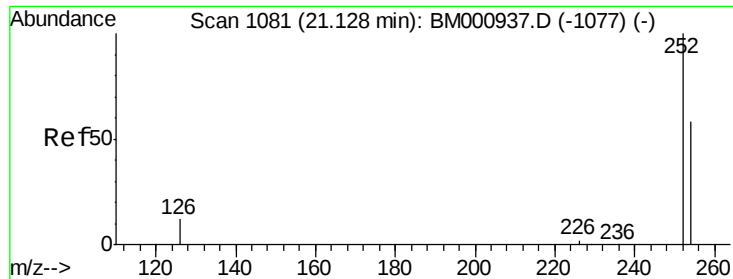
Tgt Ion:244 Resp: 114899
 Ion Ratio Lower Upper
 244 100
 212 7.4 9.4 14.0#
 122 1.6 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.18 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

Tgt Ion:228 Resp: 745
 Ion Ratio Lower Upper
 228 100
 226 33.7 18.9 28.3#
 229 30.4 16.8 25.2#

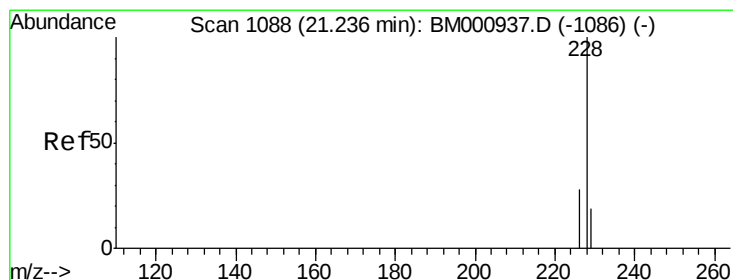
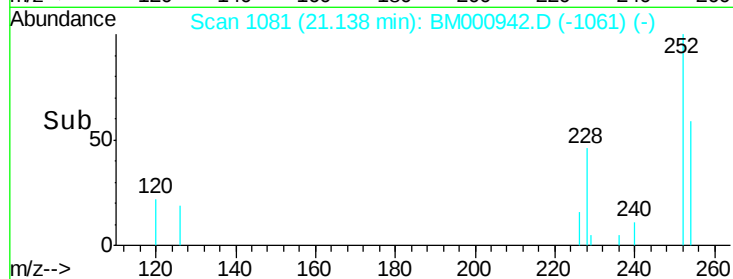
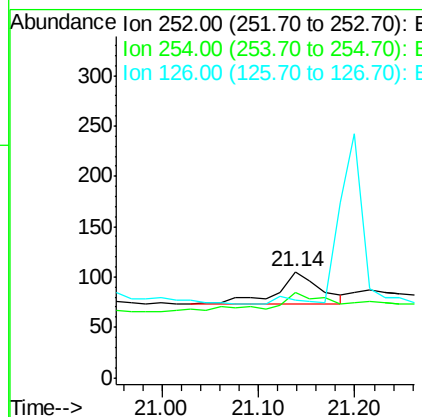
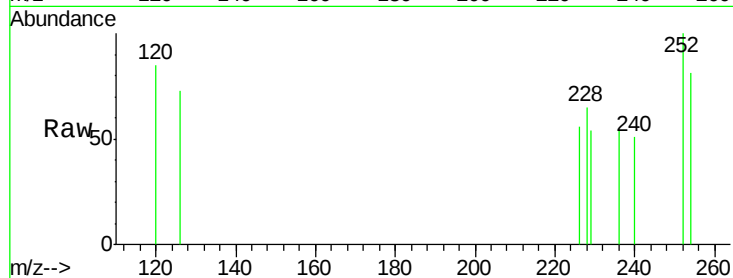




#35
 3,3'-Dichlorobenzidine
 Concen: 0.31 ng
 RT: 21.14 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

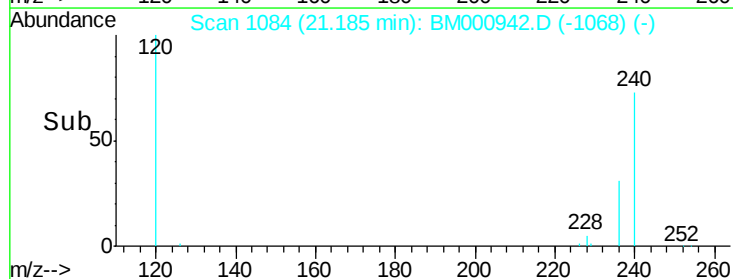
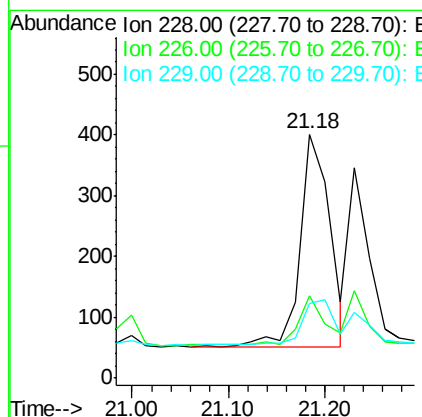
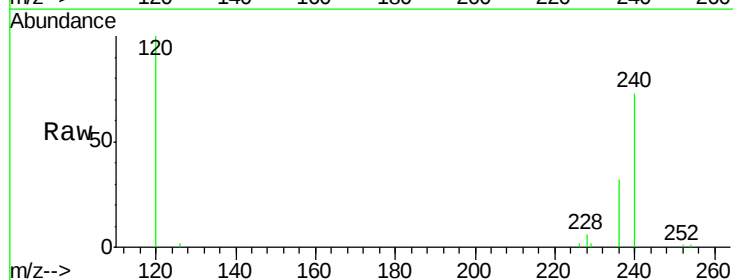
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW03

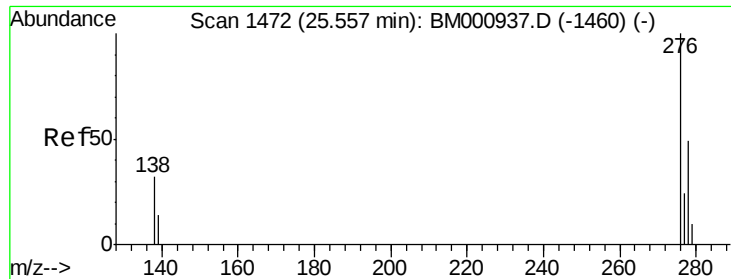
Tgt Ion: 252 Resp: 99
 Ion Ratio Lower Upper
 252 100
 254 81.0 43.4 65.2#
 126 73.3 12.3 18.5#



#36
 Chrysene
 Concen: 0.03 ng
 RT: 21.18 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BM000942.D
 Acq: 10 Apr 2015 16:50

Tgt Ion: 228 Resp: 745
 Ion Ratio Lower Upper
 228 100
 226 33.7 23.4 35.2
 229 30.4 15.0 22.6#





#37

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.57 min Scan# 1472

Delta R.T. 0.01 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

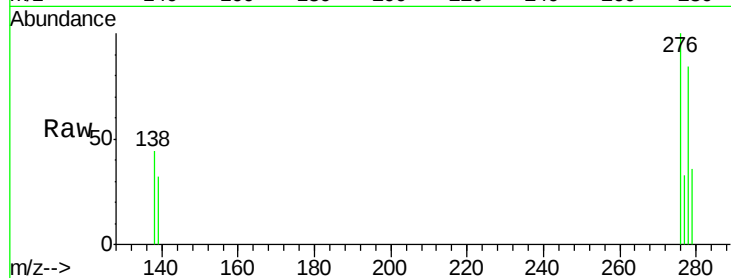
Tgt Ion:276 Resp: 1647

Ion Ratio Lower Upper

276 100

138 37.2 26.6 40.0

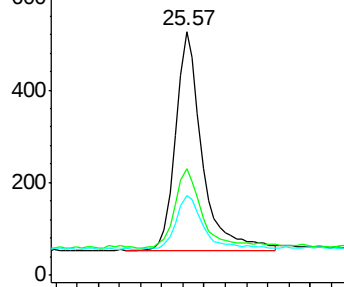
277 24.9 19.8 29.6



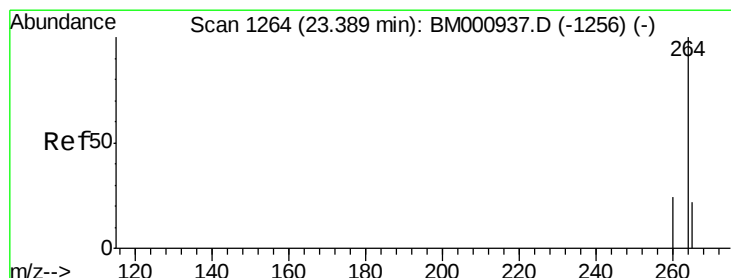
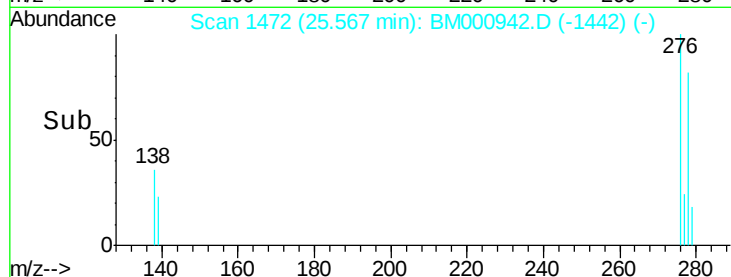
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#38

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

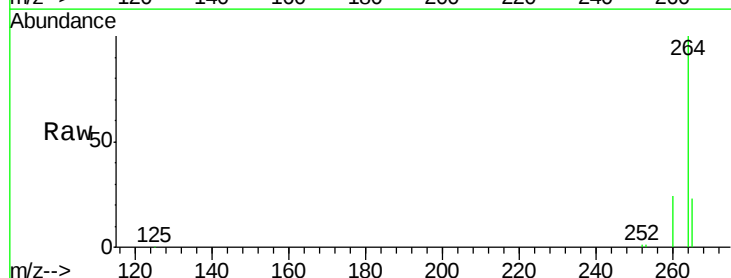
Tgt Ion:264 Resp: 76086

Ion Ratio Lower Upper

264 100

260 23.6 20.6 30.8

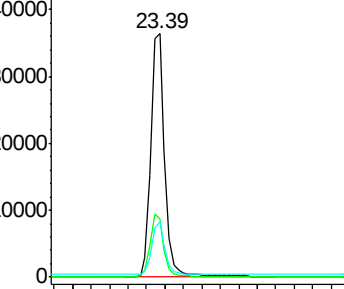
265 22.8 16.4 24.6



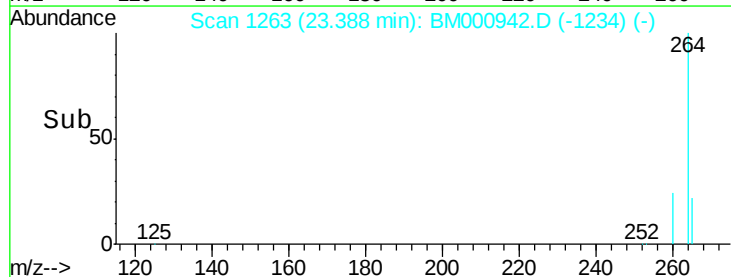
Abundance Ion 264.00 (263.70 to 264.70): E

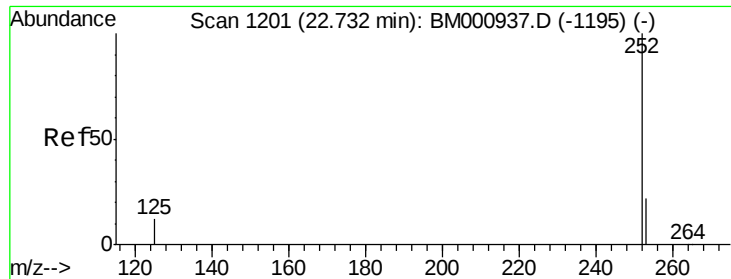
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#39

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

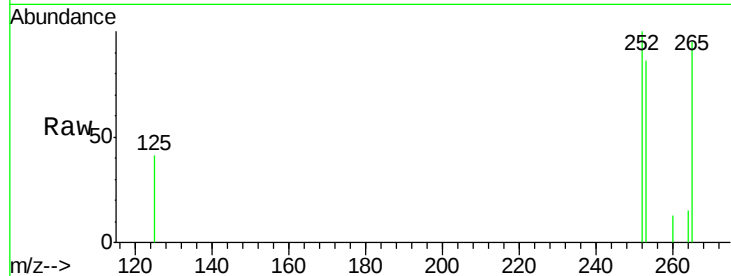
Tgt Ion:252 Resp: 549

Ion Ratio Lower Upper

252 100

253 85.8 16.9 25.3#

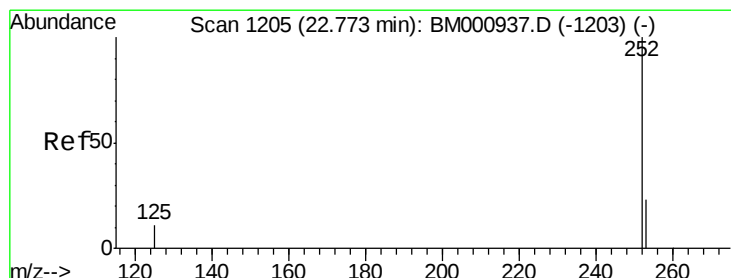
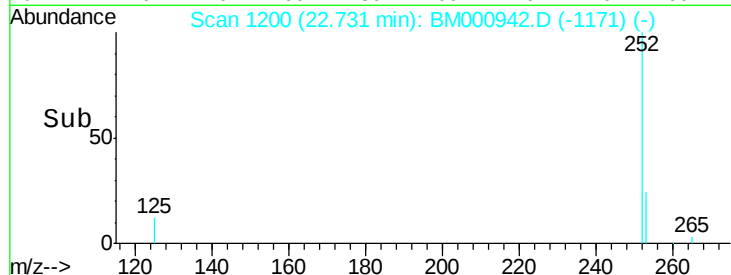
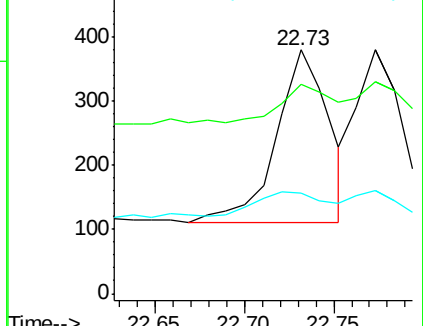
125 41.2 11.3 16.9#



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



#40

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.77 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

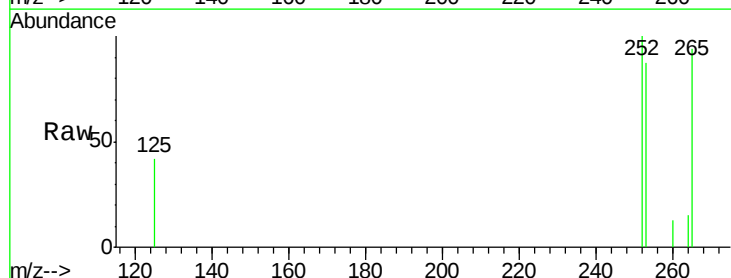
Tgt Ion:252 Resp: 519

Ion Ratio Lower Upper

252 100

253 87.1 16.9 25.3#

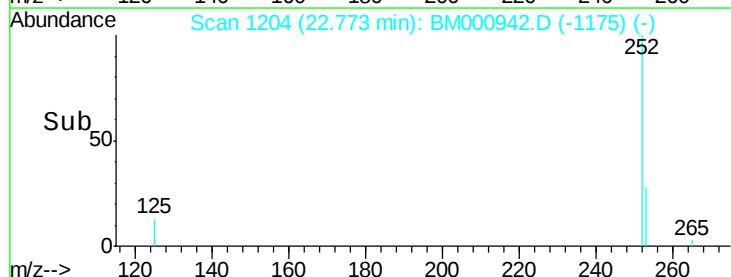
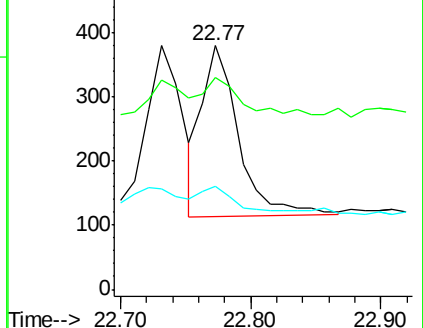
125 42.2 11.2 16.8#

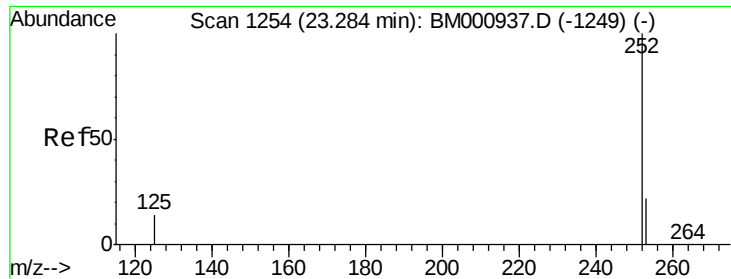


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#41

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.28 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03

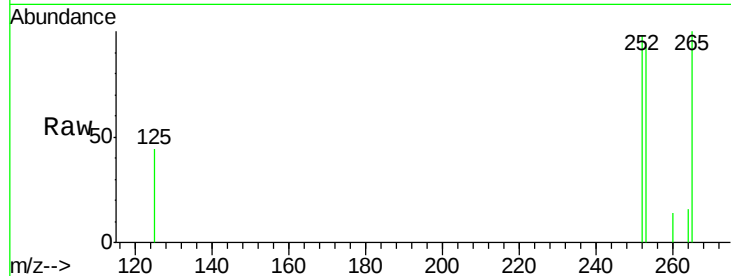
Tgt Ion: 252 Resp: 524

Ion Ratio Lower Upper

252 100

253 95.5 19.0 28.4#

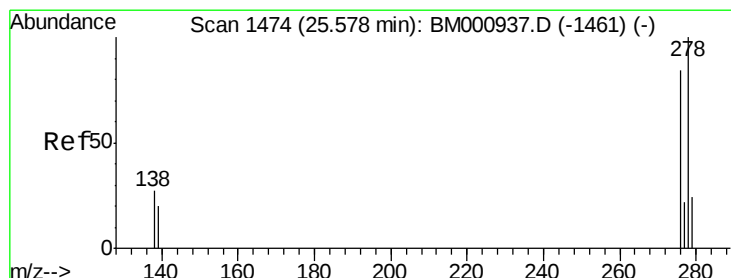
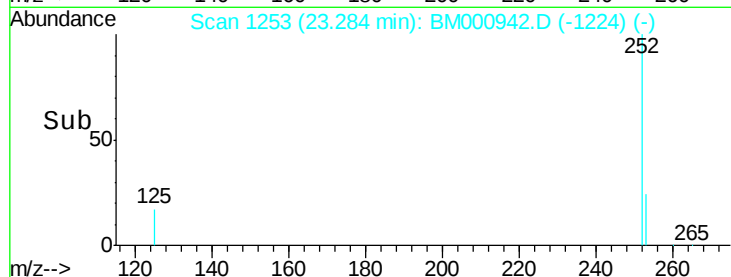
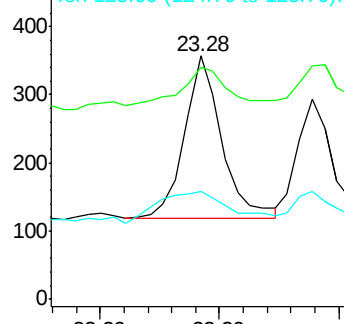
125 44.5 11.0 16.6#



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



#42

Dibenzo(a,h)anthracene

Concen: 0.10 ng

RT: 25.58 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BM000942.D

Acq: 10 Apr 2015 16:50

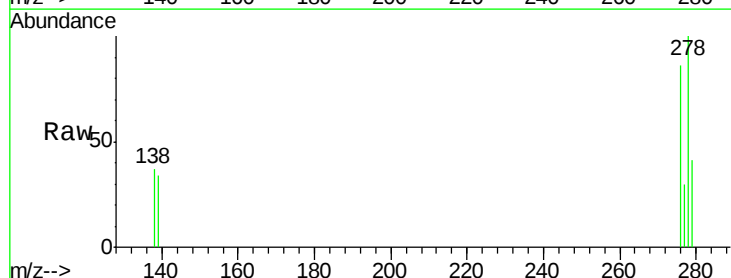
Tgt Ion: 278 Resp: 1856

Ion Ratio Lower Upper

278 100

139 33.7 17.8 26.8#

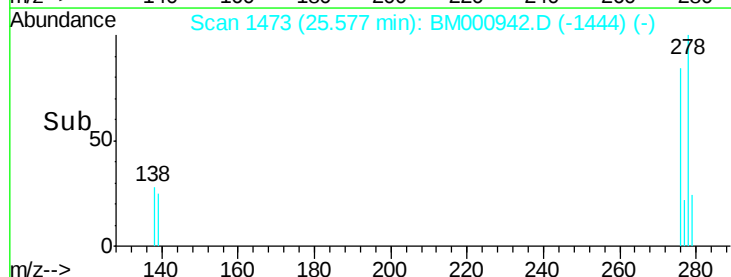
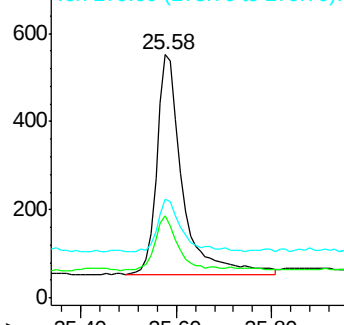
279 40.6 19.0 28.6#

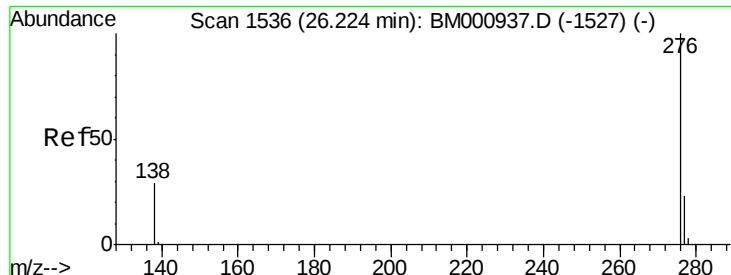


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#43

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.23 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BM000942.D

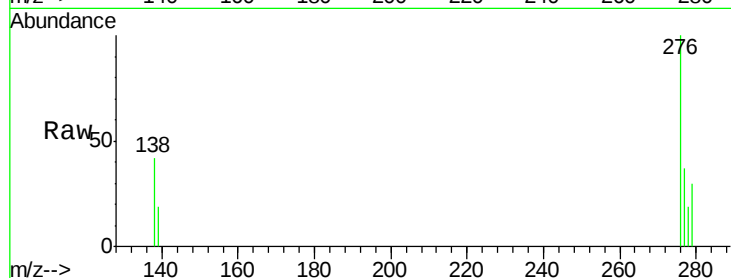
Acq: 10 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

LS-SW03



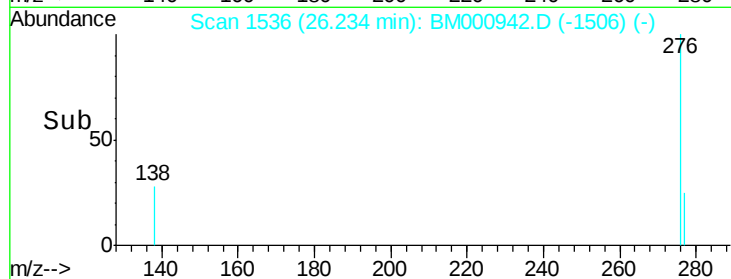
Tgt Ion: 276 Resp: 1069

Ion Ratio Lower Upper

276 100

277 37.2 19.4 29.0#

138 41.9 21.7 32.5#



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

