

Data Path : S:\HPCHEM1\BNA_M\Data\BM041015\
 Data File : BM000946.D
 Acq On : 10 Apr 2015 19:13
 Operator : TP/IZ
 Sample : G1757-05MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

Quant Time: Apr 13 15:52:18 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 16:15:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	26996	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	101675	5.00	ng	0.00
17) Acenaphthene-d10	14.25	164	44985	5.00	ng	0.00
24) Phenanthrene-d10	16.99	188	100485	5.00	ng	0.00
30) Chrysene-d12	21.20	240	92752	5.00	ng	0.00
38) Perylene-d12	23.39	264	82451	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	24712	4.32	ng	-0.02
5) Phenol-d6	6.78	99	19763	2.89	ng	0.00
9) Nitrobenzene-d5	8.76	82	42768	8.71	ng	0.00
18) 2,4,6-Tribromophenol	15.75	330	32386	17.21	ng	0.00
19) 2-Fluorobiphenyl	12.88	172	122546	9.72	ng	0.00
33) Terphenyl-d14	19.66	244	116698	10.33	ng	0.02

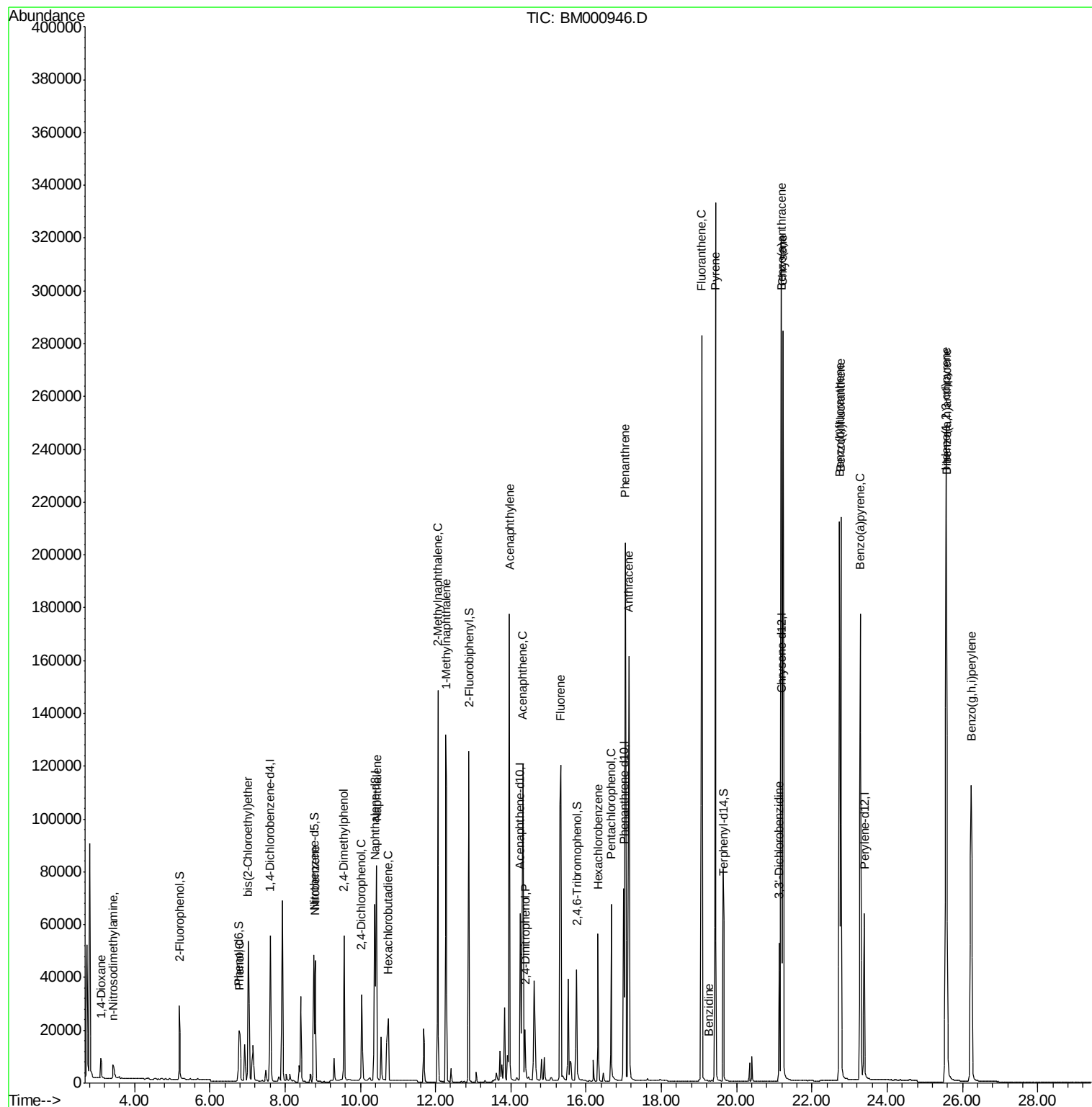
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	6229	2.65	ng	95
3) n-Nitrosodimethylamine	3.43	42	5797	2.21	ng	# 73
6) Phenol	6.80	94	14950	2.13	ng	# 39
7) bis(2-Chloroethyl)ether	7.02	93	46835	7.60	ng	# 1
10) Nitrobenzene	8.80	77	51291	7.11	ng	94
11) 2,4-Dimethylphenol	9.56	122	38360	6.85	ng	95
12) 2,4-Dichlorophenol	10.03	162	36249	7.34	ng	88
13) Naphthalene	10.44	128	151294	7.37	ng	99
14) Hexachlorobutadiene	10.74	225	25650	6.84	ng	99
15) 2-Methylnaphthalene	12.06	142	104497	7.46	ng	98
16) 1-Methylnaphthalene	12.28	142	95344	6.75	ng	86
20) Acenaphthylene	13.96	152	211311	11.33	ng	99
21) Acenaphthene	14.32	154	112261	9.04	ng	99
22) 2,4-Dinitrophenol	14.37	184	17439	12.38	ng	# 45
23) Fluorene	15.32	166	124705	8.63	ng	99
25) Hexachlorobenzene	16.32	284	51330	9.45	ng	99
26) Pentachlorophenol	16.67	266	47829	21.99	ng	98
27) Phenanthrene	17.04	178	241079	9.29	ng	99
28) Anthracene	17.14	178	229032	9.63	ng	99
29) Fluoranthene	19.07	202	280855	10.35	ng	100
31) Benzidine	19.26	184	343	0.09	ng	# 1
32) Pyrene	19.43	202	302367	10.03	ng	100
34) Benzo(a)anthracene	21.18	228	277741	10.38	ng	98
35) 3,3'-Dichlorobenzidine	21.12	252	54726	5.32	ng	97
36) Chrysene	21.23	228	248841	9.09	ng	96
37) Indeno(1,2,3-cd)pyrene	25.56	276	265660	9.51	ng	100
39) Benzo(b)fluoranthene	22.73	252	267057	10.35	ng	97
40) Benzo(k)fluoranthene	22.77	252	233960	9.42	ng	97
41) Benzo(a)pyrene	23.28	252	236207	10.39	ng	96
42) Dibenzo(a,h)anthracene	25.58	278	214443	10.18	ng	97
43) Benzo(g,h,i)perylene	26.23	276	226046	9.72	ng	99

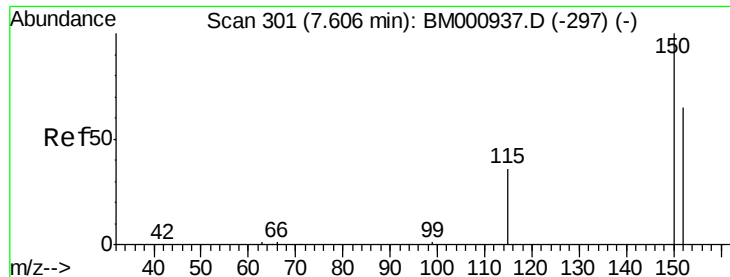
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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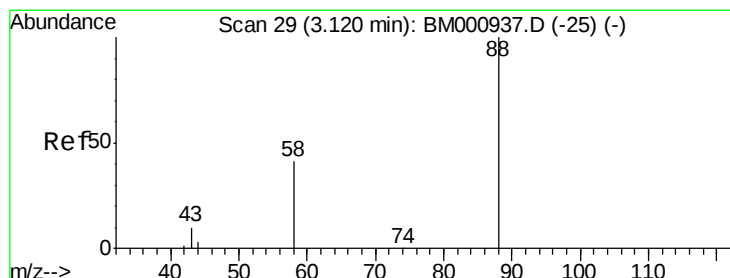
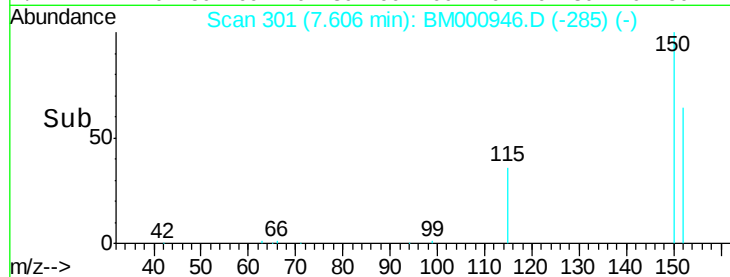
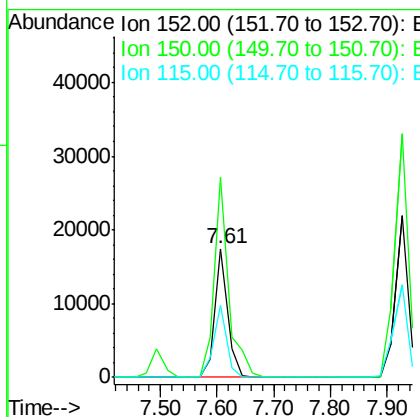
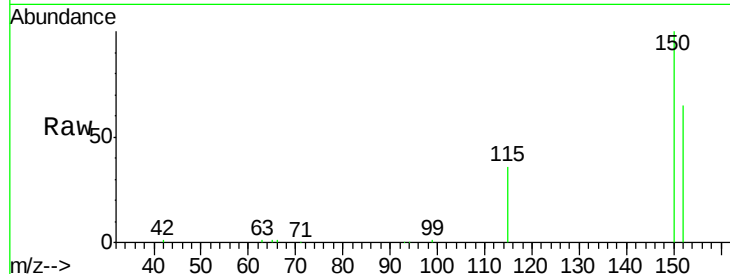




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.61 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

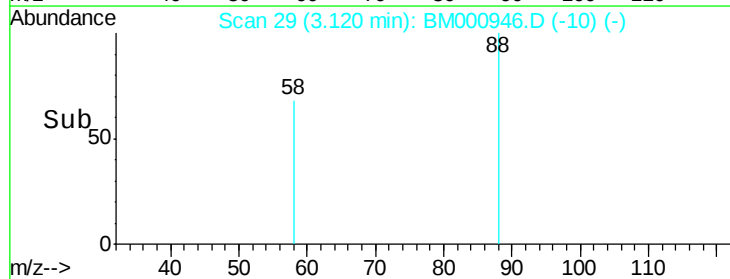
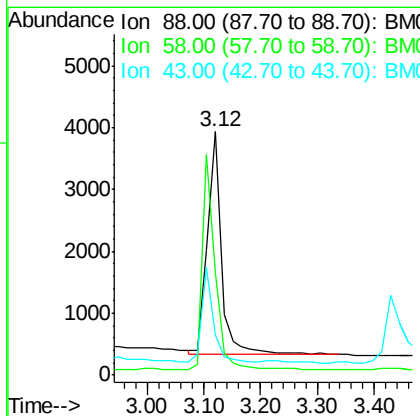
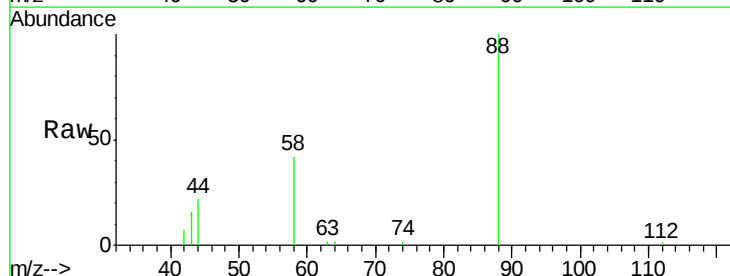
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

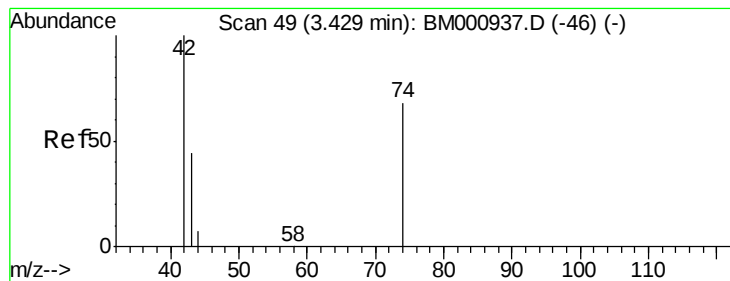
Tgt Ion: 152 Resp: 26996
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.4 188.2
 115 56.2 45.9 68.9



#2
 1,4-Dioxane
 Concen: 2.65 ng
 RT: 3.12 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

Tgt Ion: 88 Resp: 6229
 Ion Ratio Lower Upper
 88 100
 58 83.9 63.0 94.6
 43 32.8 27.0 40.4





#3

n-Nitrosodimethylamine

Concen: 2.21 ng

RT: 3.43 min Scan# 49

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

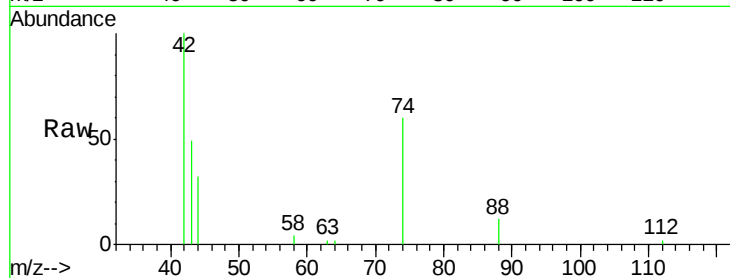
Tgt Ion: 42 Resp: 5797

Ion Ratio Lower Upper

42 100

74 60.4 26.0 39.0#

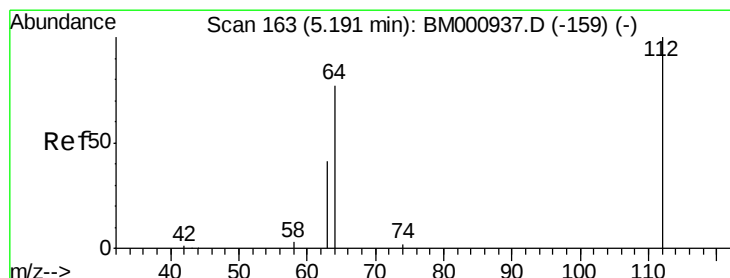
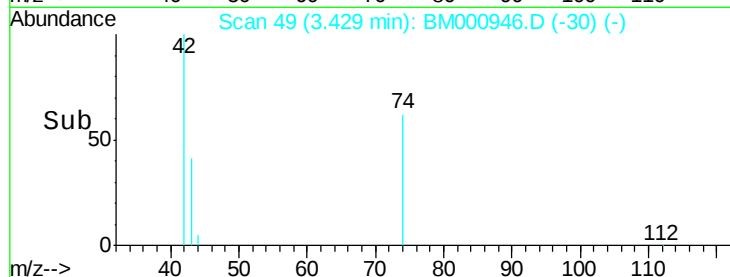
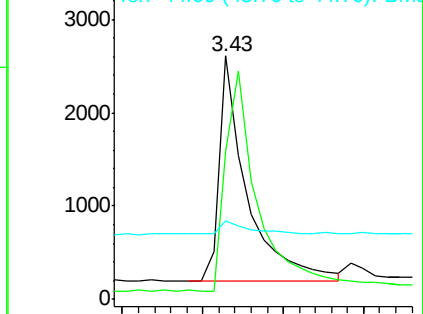
44 32.5 29.0 43.4



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) (-)



#4

2-Fluorophenol

Concen: 4.32 ng

RT: 5.19 min Scan# 163

Delta R.T. -0.02 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

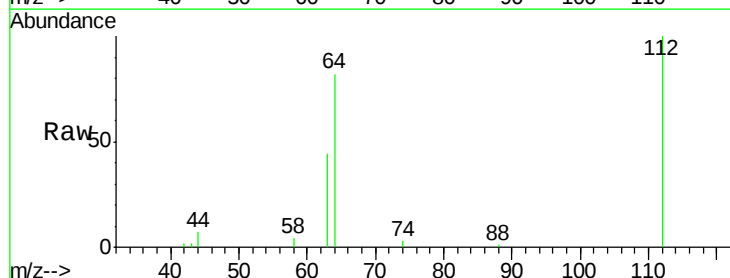
Tgt Ion: 112 Resp: 24712

Ion Ratio Lower Upper

112 100

64 82.5 31.8 47.8#

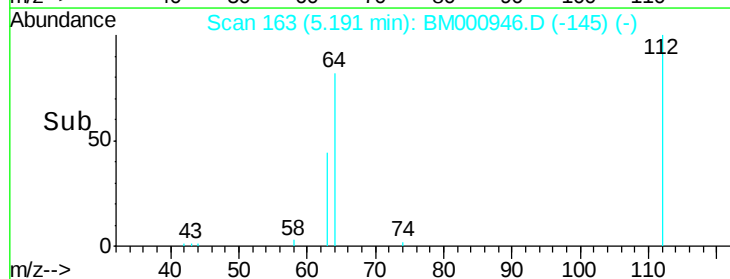
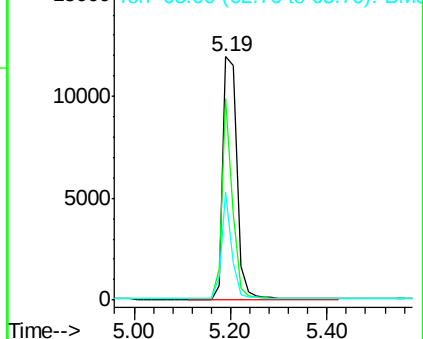
63 44.4 14.5 21.7#

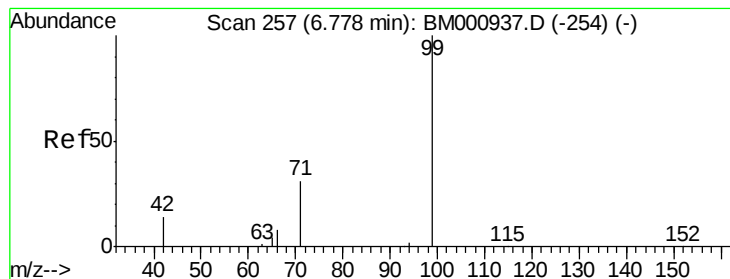


Abundance Ion 112.00 (111.70 to 112.70): BM000937.D (-159) (-)

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

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





#5

Phenol-d6

Concen: 2.89 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

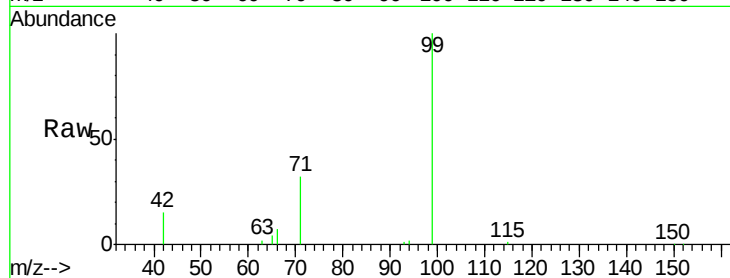
Tgt Ion: 99 Resp: 19763

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

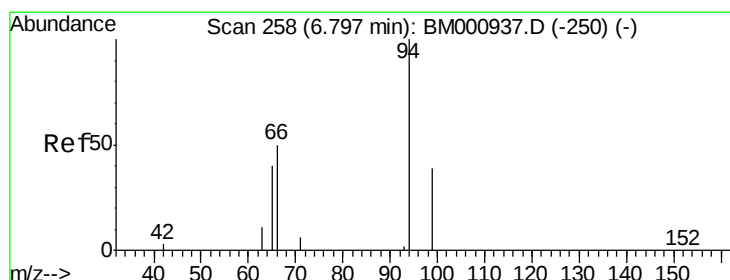
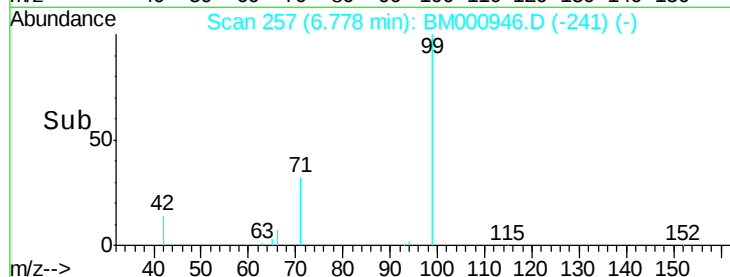
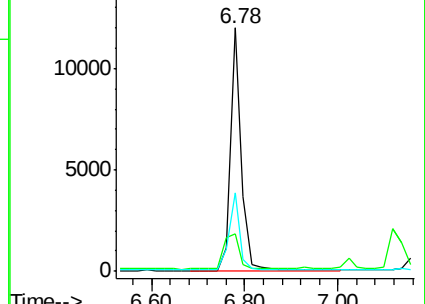
71 32.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM000946.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM000946.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM000946.D (-254) (-)



#6

Phenol

Concen: 2.13 ng

RT: 6.80 min Scan# 258

Delta R.T. -0.02 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

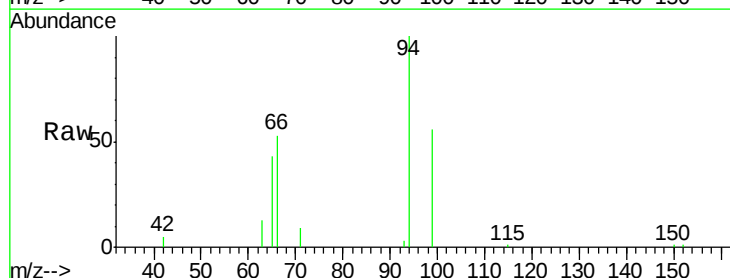
Tgt Ion: 94 Resp: 14950

Ion Ratio Lower Upper

94 100

65 42.7 0.0 36.0#

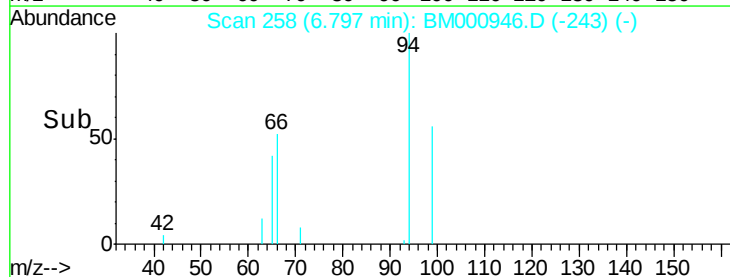
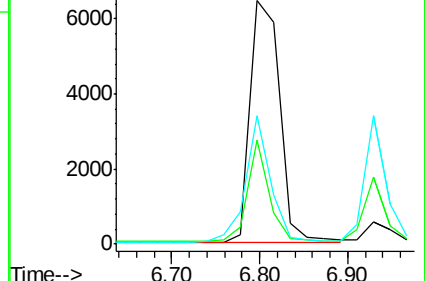
66 52.7 3.7 43.7#

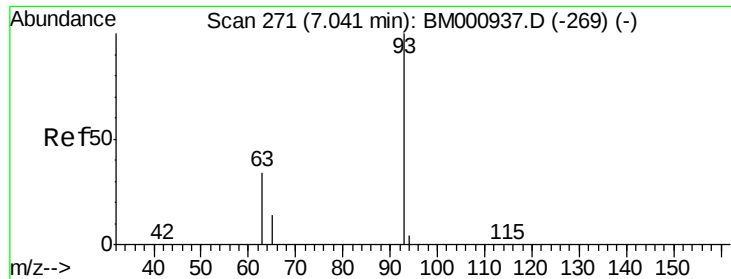


Abundance Ion 94.00 (93.70 to 94.70): BM000946.D (-250) (-)

Ion 65.00 (64.70 to 65.70): BM000946.D (-250) (-)

Ion 66.00 (65.70 to 66.70): BM000946.D (-250) (-)





#7

bis(2-Chloroethyl)ether

Concen: 7.60 ng

RT: 7.02 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

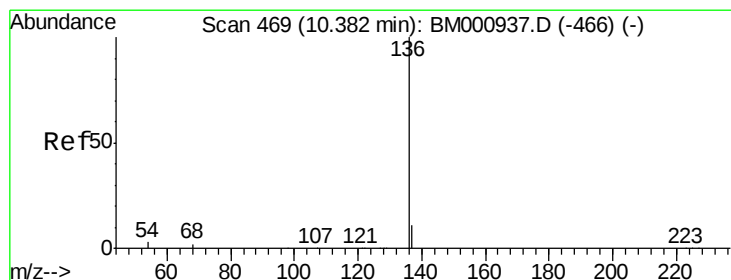
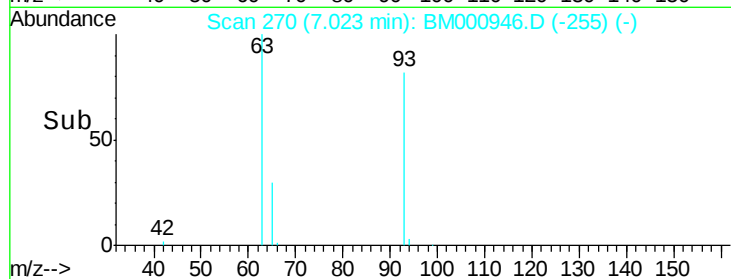
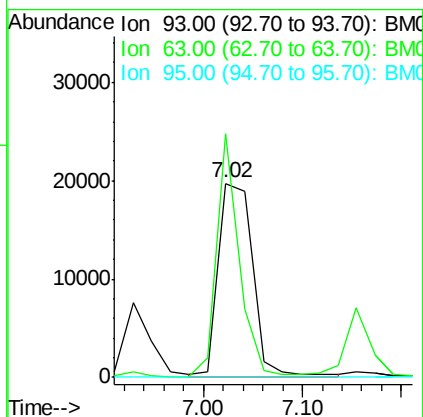
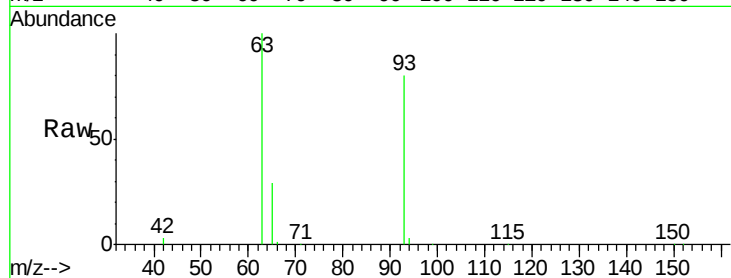
Tgt Ion: 93 Resp: 46835

Ion Ratio Lower Upper

93 100

63 125.6 24.0 64.0#

95 0.0 0.0 20.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Tgt Ion: 136 Resp: 101675

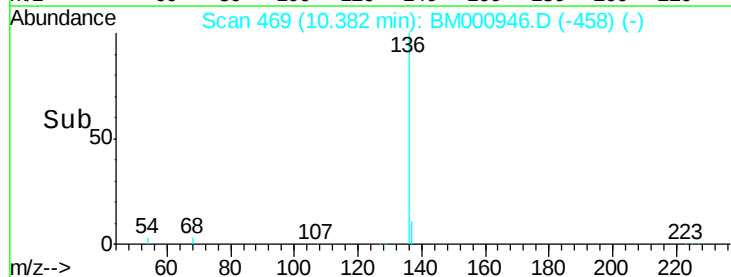
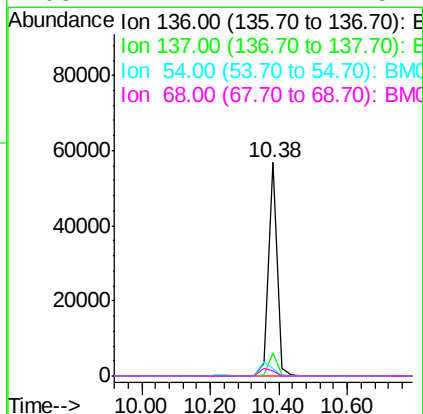
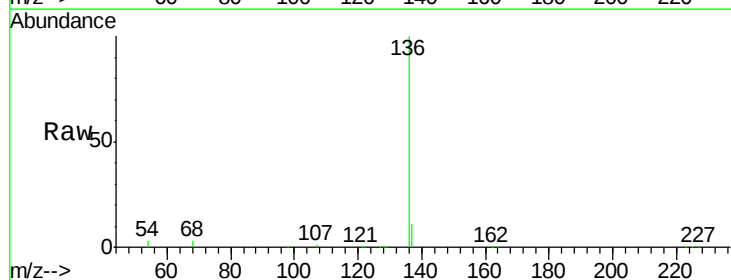
Ion Ratio Lower Upper

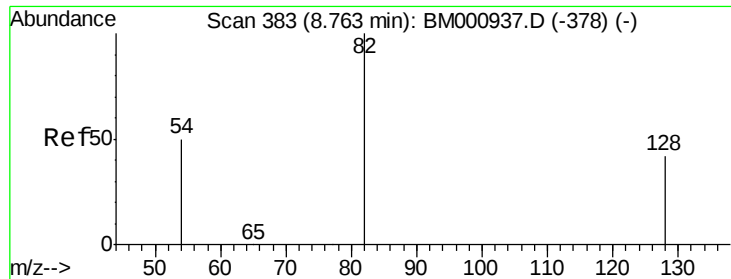
136 100

137 11.1 8.6 13.0

54 3.4 2.9 4.3

68 2.7 2.2 3.2





#9

Nitrobenzene-d5

Concen: 8.71 ng

RT: 8.76 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

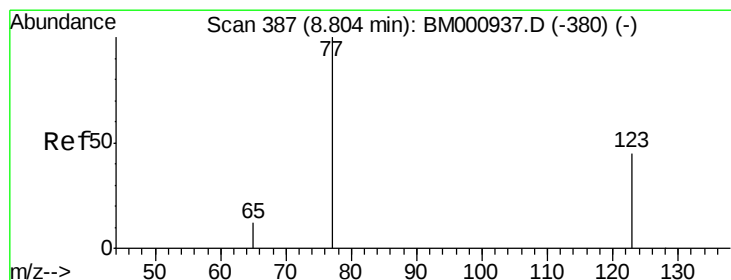
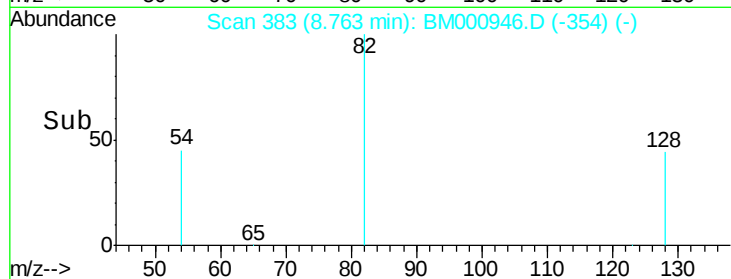
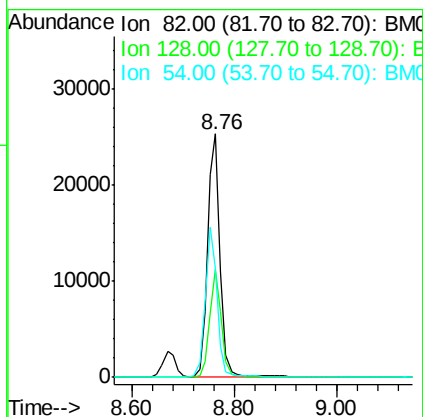
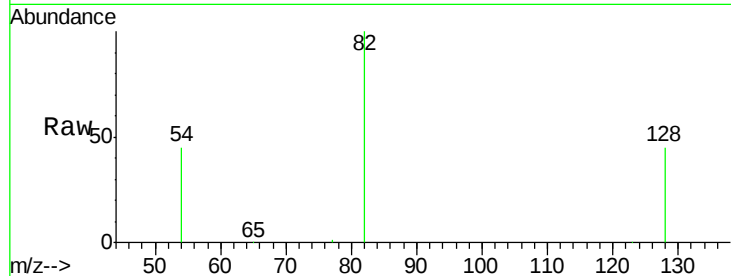
Tgt Ion: 82 Resp: 42768

Ion Ratio Lower Upper

82 100

128 44.5 33.4 50.0

54 45.0 40.5 60.7



#10

Nitrobenzene

Concen: 7.11 ng

RT: 8.80 min Scan# 387

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

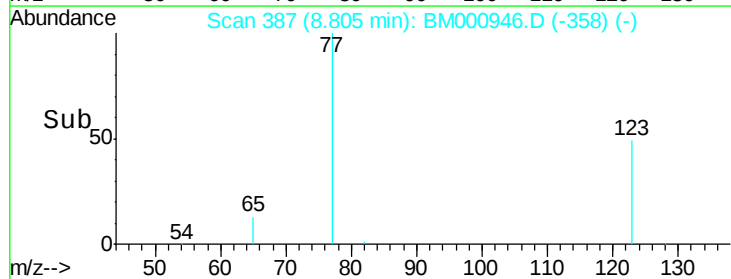
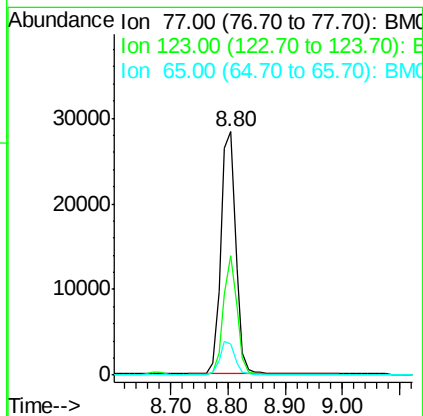
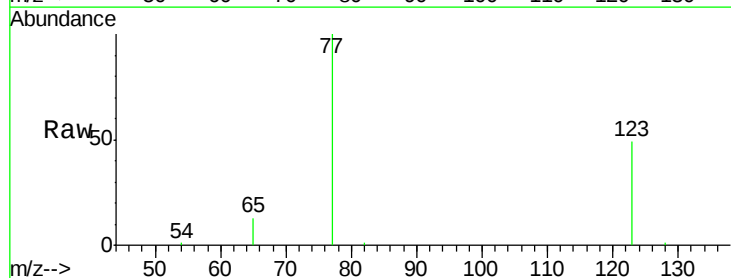
Tgt Ion: 77 Resp: 51291

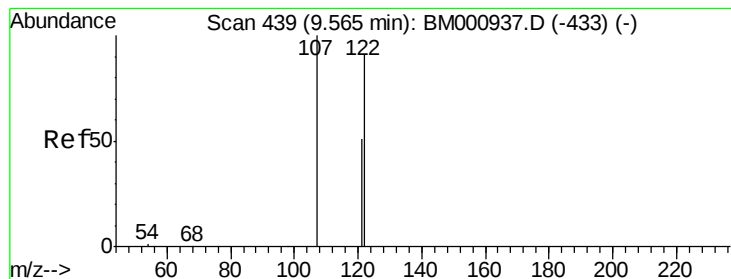
Ion Ratio Lower Upper

77 100

123 48.9 35.0 52.6

65 12.7 10.7 16.1

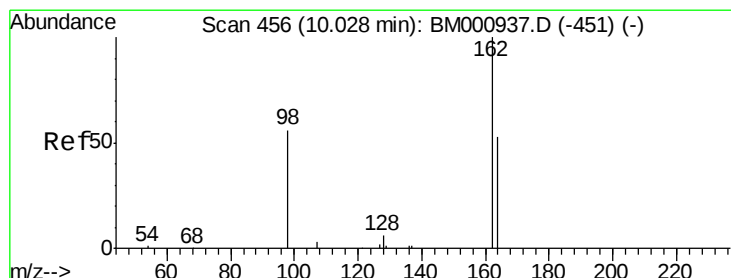
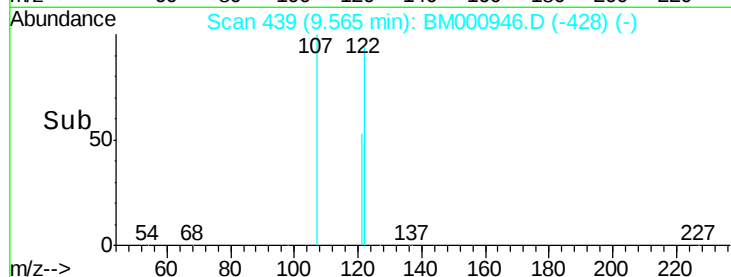
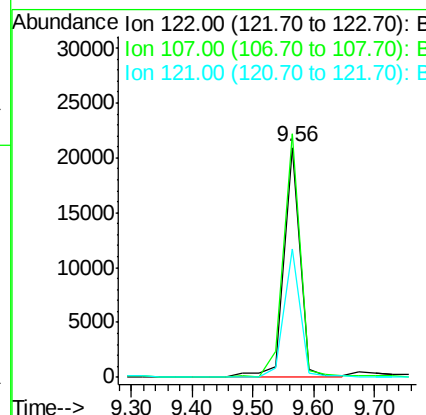
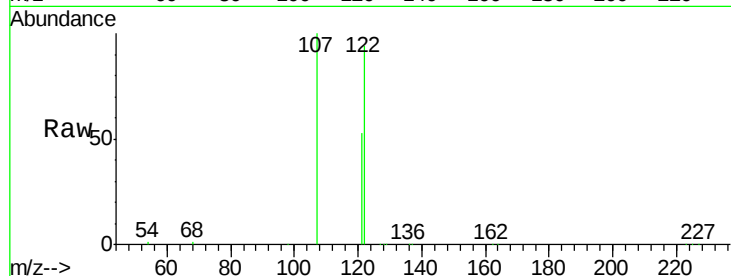




#11
 2,4-Dimethylphenol
 Concen: 6.85 ng
 RT: 9.56 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

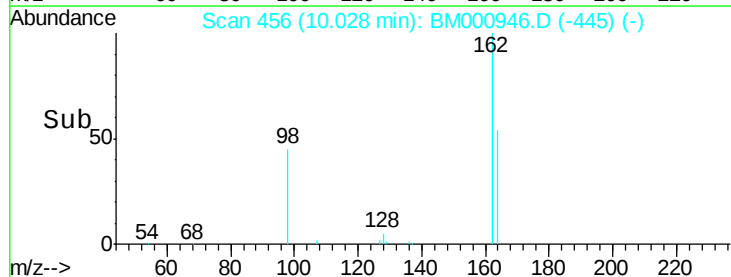
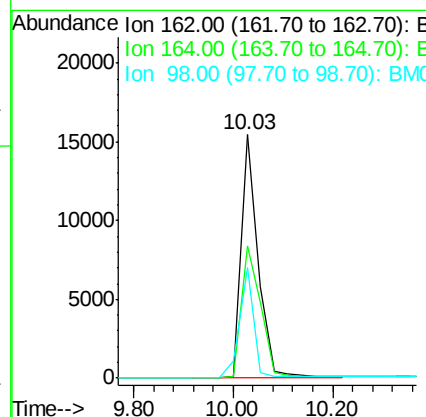
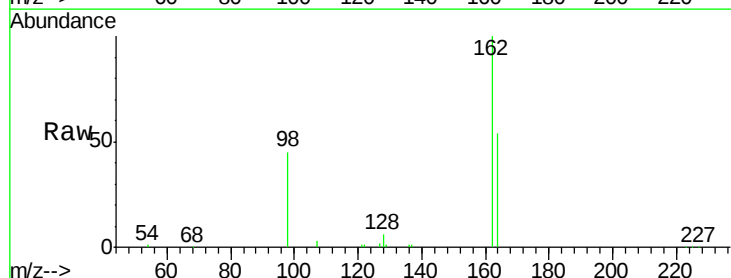
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

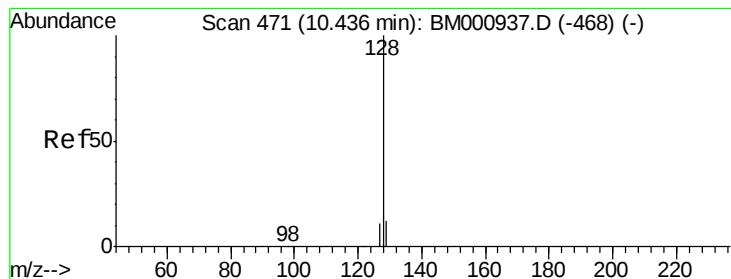
Tgt Ion:122 Resp: 38360
 Ion Ratio Lower Upper
 122 100
 107 105.9 89.8 134.6
 121 55.9 46.6 70.0



#12
 2,4-Dichlorophenol
 Concen: 7.34 ng
 RT: 10.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

Tgt Ion:162 Resp: 36249
 Ion Ratio Lower Upper
 162 100
 164 54.1 32.5 72.5
 98 45.2 40.5 80.5





#13

Naphthalene

Concen: 7.37 ng

RT: 10.44 min Scan# 471

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

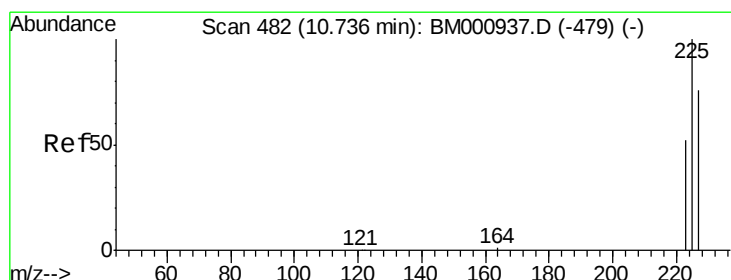
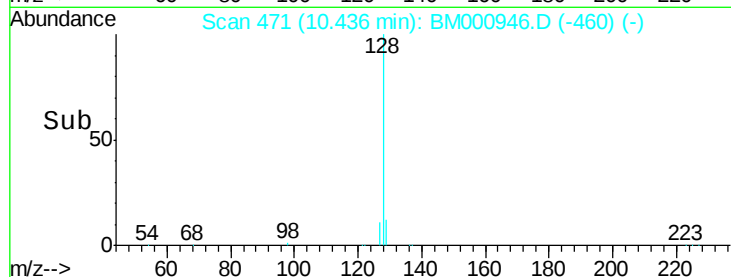
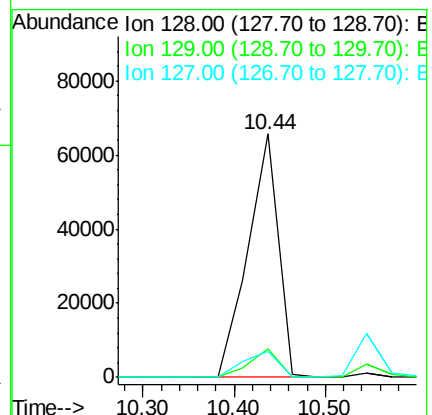
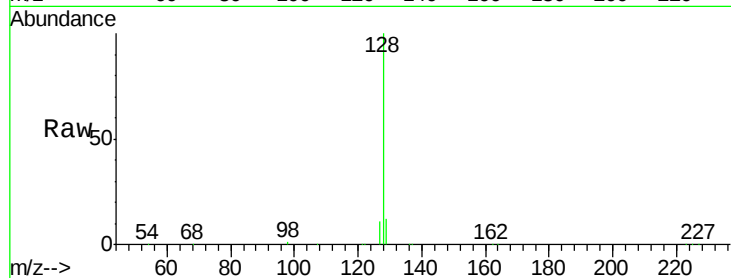
Tgt Ion:128 Resp: 151294

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.6

127 10.9 9.1 13.7



#14

Hexachlorobutadiene

Concen: 6.84 ng

RT: 10.74 min Scan# 482

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

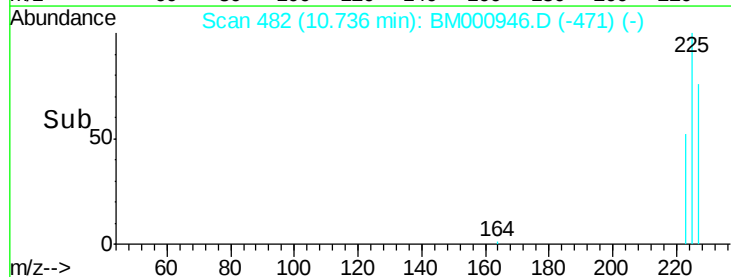
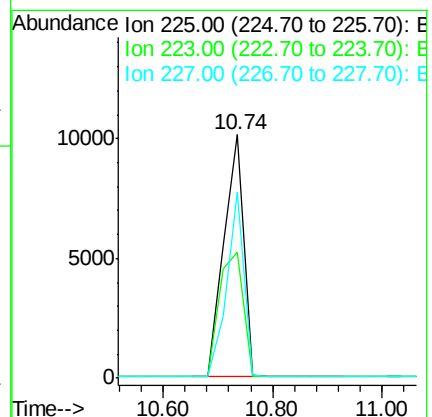
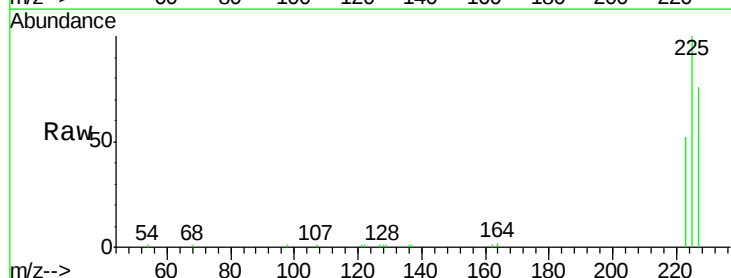
Tgt Ion:225 Resp: 25650

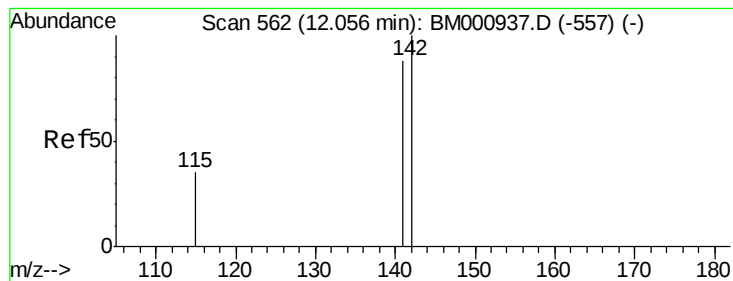
Ion Ratio Lower Upper

225 100

223 51.9 42.2 63.2

227 76.4 61.4 92.2





#15

2-Methylnaphthalene

Concen: 7.46 ng

RT: 12.06 min Scan# 562

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

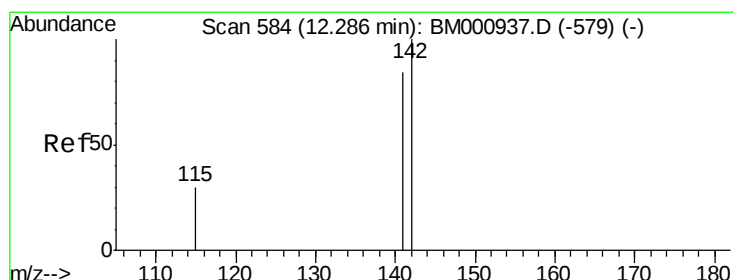
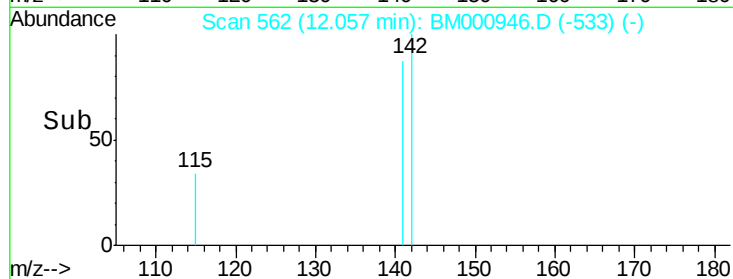
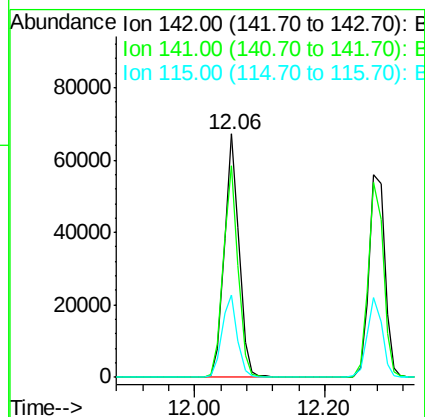
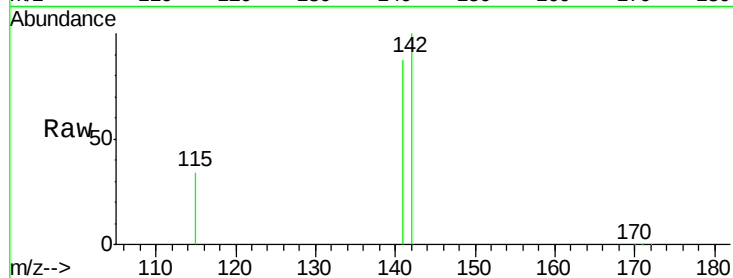
Tgt Ion:142 Resp: 104497

Ion Ratio Lower Upper

142 100

141 87.2 71.2 106.8

115 33.7 28.3 42.5



#16

1-Methylnaphthalene

Concen: 6.75 ng

RT: 12.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

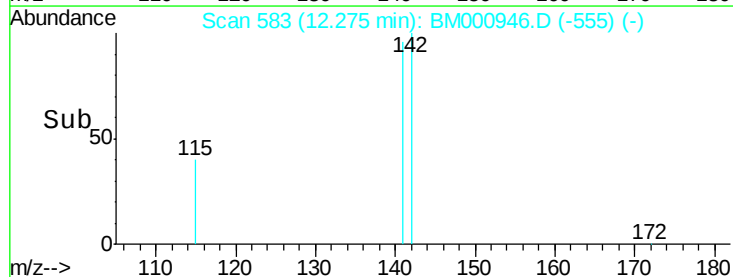
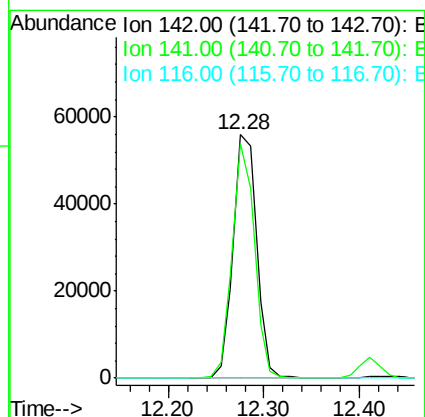
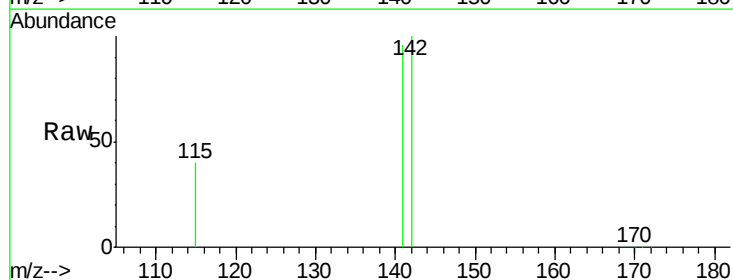
Tgt Ion:142 Resp: 95344

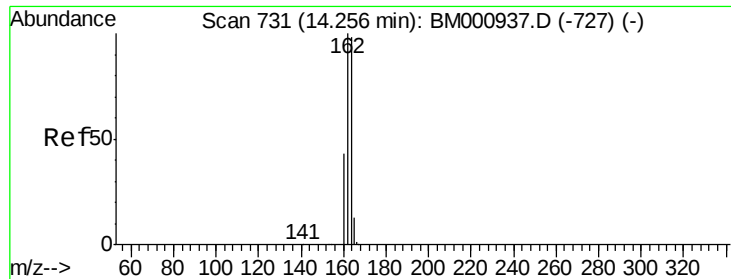
Ion Ratio Lower Upper

142 100

141 96.3 66.7 100.1

116 0.0 0.0 0.0





#17

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 730

Delta R.T. 0.00 min

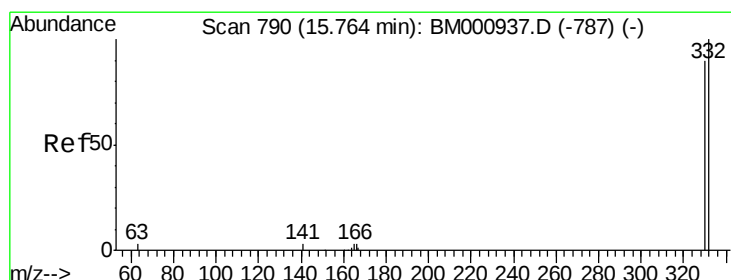
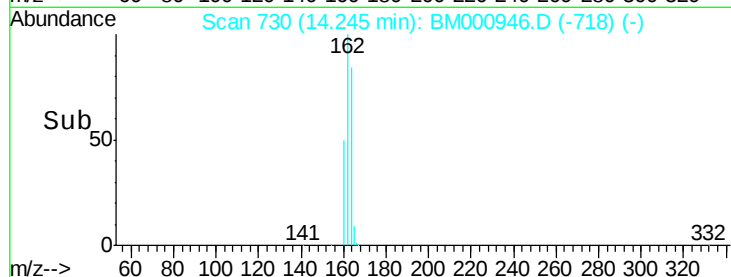
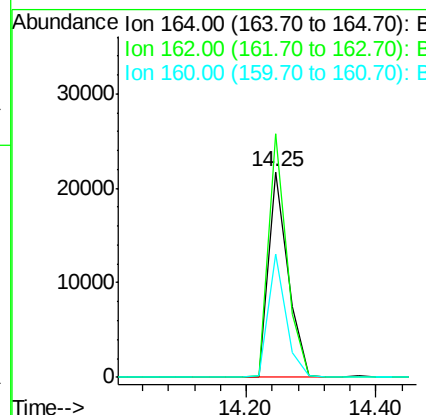
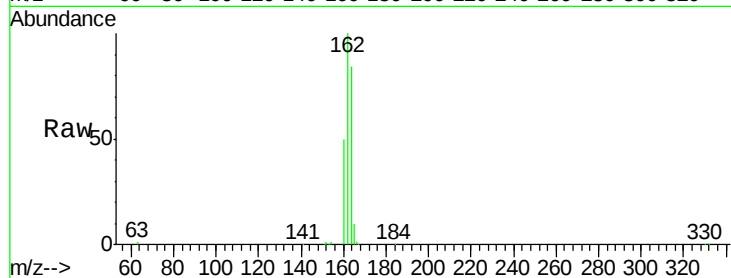
Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :
BNA_M
ClientSampleId :
LS-SW01MSD

Tgt Ion:164 Resp: 44985

Ion	Ratio	Lower	Upper
164	100		
162	118.6	96.1	144.1
160	59.9	48.2	72.2



#18

2,4,6-Tribromophenol

Concen: 17.21 ng

RT: 15.75 min Scan# 789

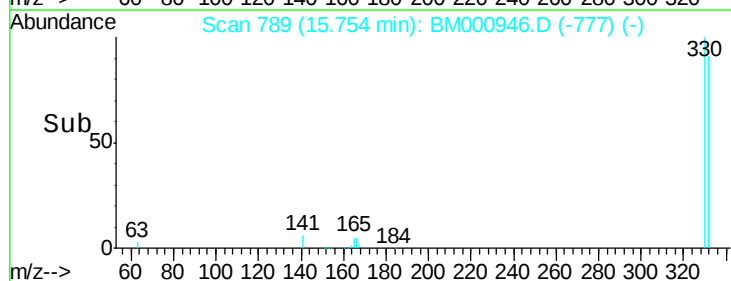
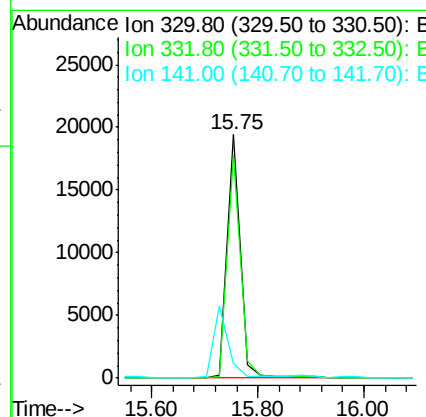
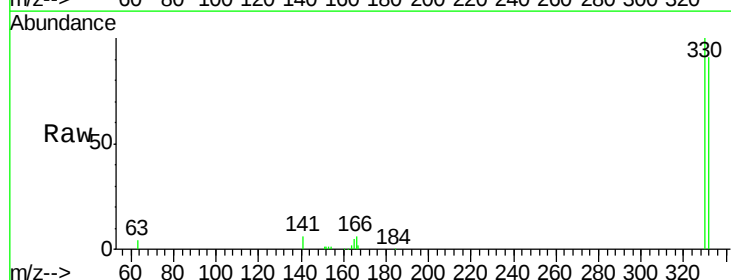
Delta R.T. 0.00 min

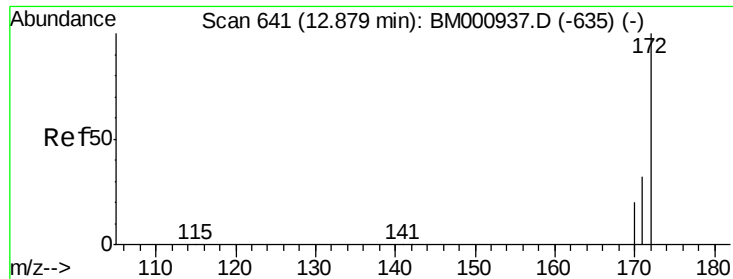
Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Tgt Ion:330 Resp: 32386

Ion	Ratio	Lower	Upper
330	100		
332	93.2	75.4	113.2
141	0.0	0.0	0.0

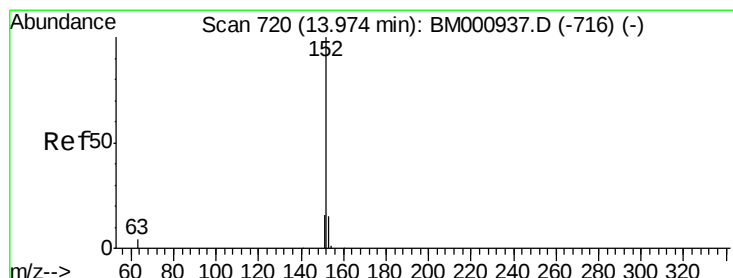
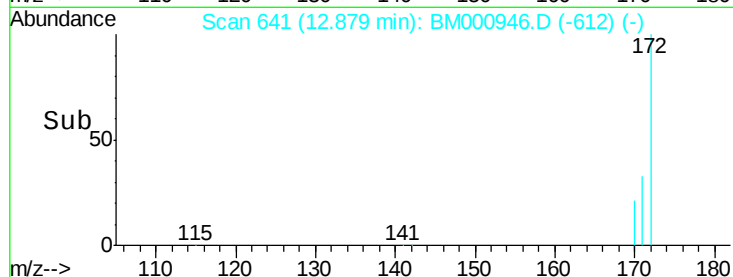
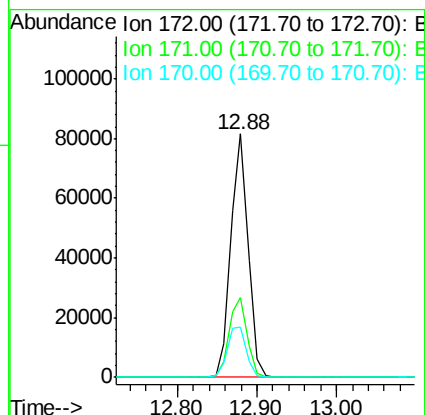
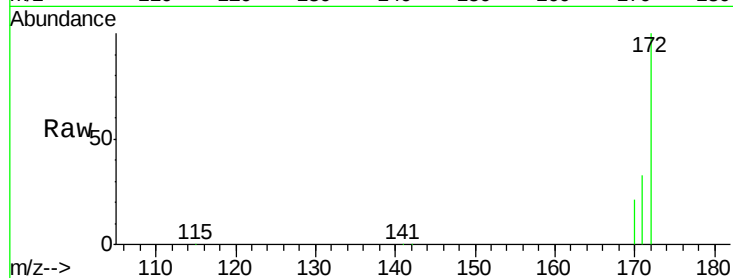




#19
2-Fluorobiphenyl
Concen: 9.72 ng
RT: 12.88 min Scan# 641
Delta R.T. 0.00 min
Lab File: BM000946.D
Acq: 10 Apr 2015 19:13

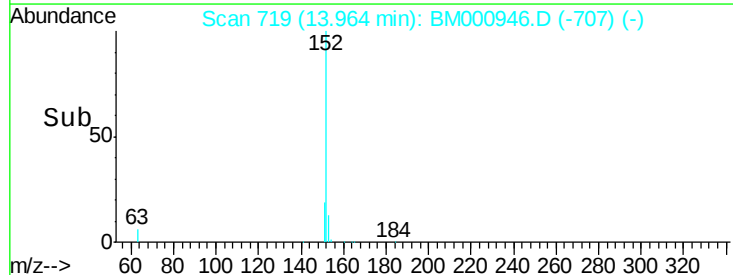
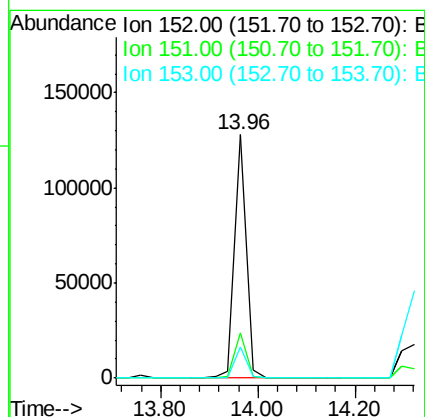
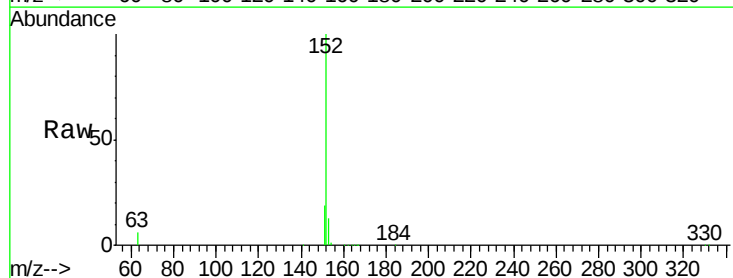
Instrument :
BNA_M
ClientSampleId :
LS-SW01MSD

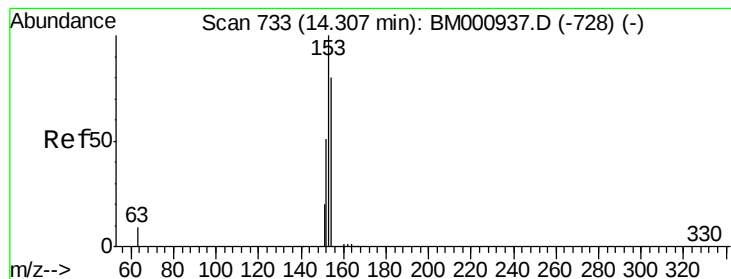
Tgt Ion:172 Resp: 122546
Ion Ratio Lower Upper
172 100
171 32.9 26.7 40.1
170 20.6 17.0 25.4



#20
Acenaphthylene
Concen: 11.33 ng
RT: 13.96 min Scan# 719
Delta R.T. 0.00 min
Lab File: BM000946.D
Acq: 10 Apr 2015 19:13

Tgt Ion:152 Resp: 211311
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0
153 12.8 10.2 15.2





#21

Acenaphthene

Concen: 9.04 ng

RT: 14.32 min Scan# 733

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

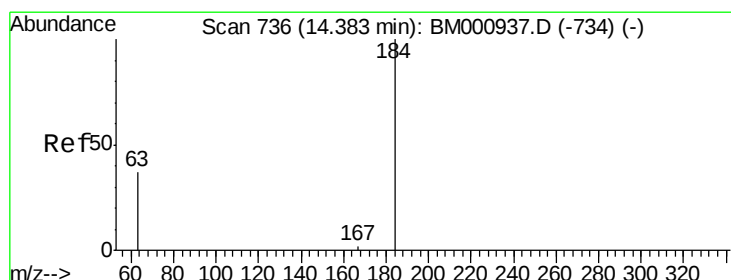
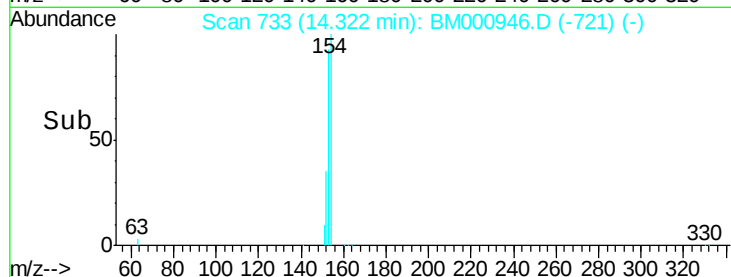
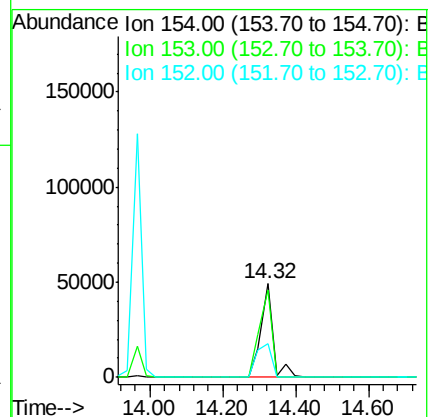
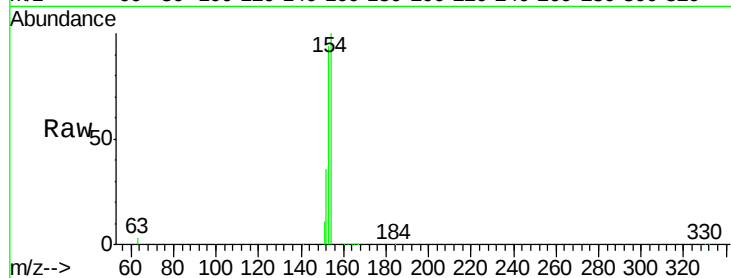
Tgt Ion:154 Resp: 112261

Ion Ratio Lower Upper

154 100

153 93.6 73.7 110.5

152 36.2 29.0 43.6



#22

2,4-Dinitrophenol

Concen: 12.38 ng

RT: 14.37 min Scan# 735

Delta R.T. -0.02 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

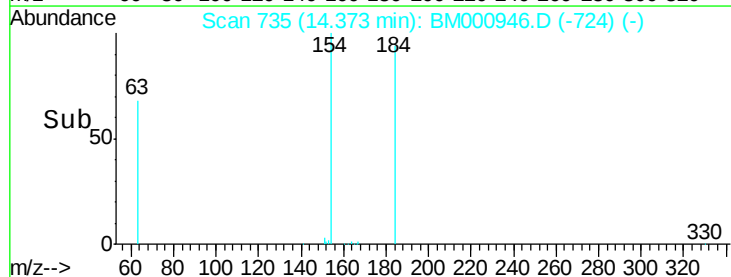
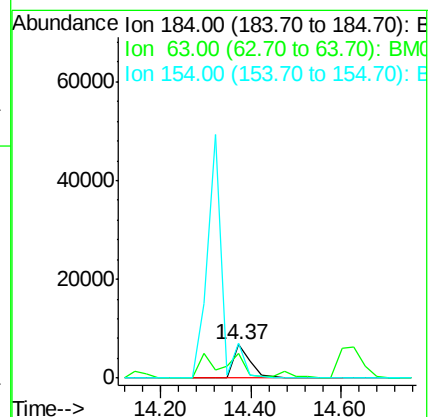
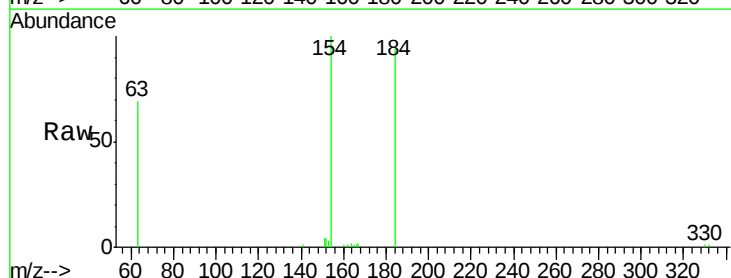
Tgt Ion:184 Resp: 17439

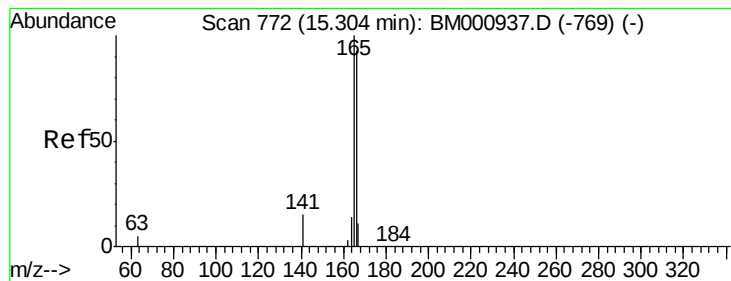
Ion Ratio Lower Upper

184 100

63 73.4 39.0 58.4#

154 106.2 43.8 65.8#





#23

Fluorene

Concen: 8.63 ng

RT: 15.32 min Scan# 772

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

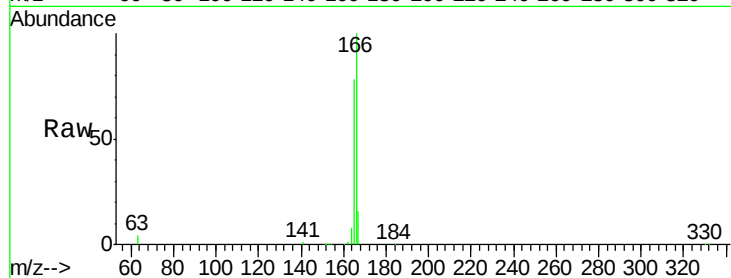
Tgt Ion:166 Resp: 124705

Ion Ratio Lower Upper

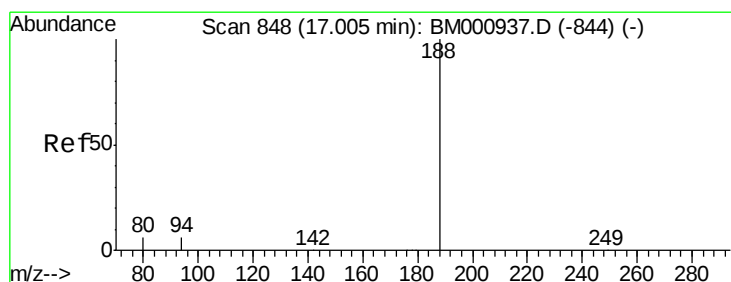
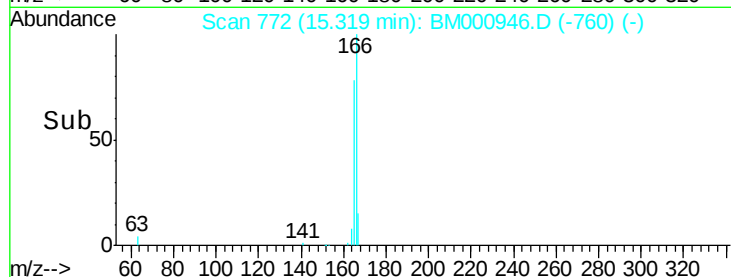
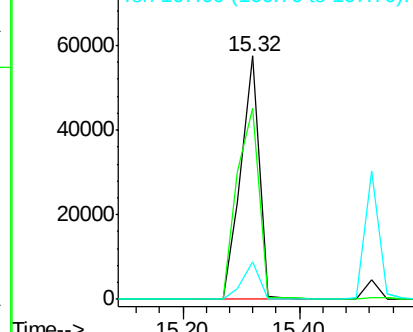
166 100

165 78.4 63.7 95.5

167 15.6 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



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

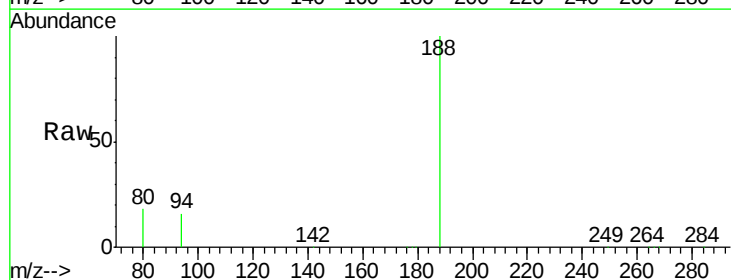
Tgt Ion:188 Resp: 100485

Ion Ratio Lower Upper

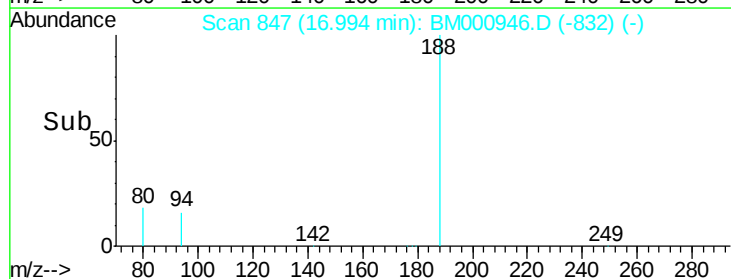
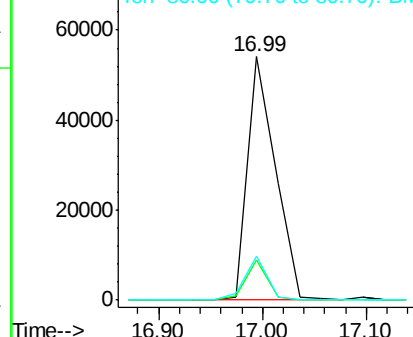
188 100

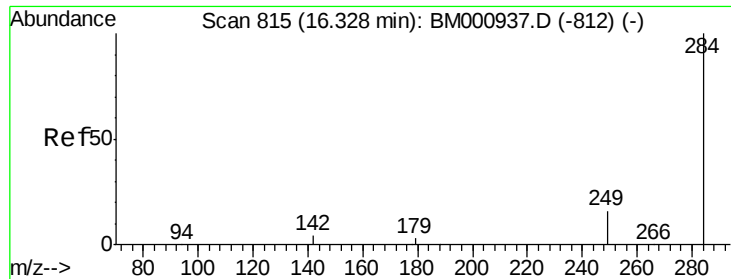
94 16.3 12.2 18.4

80 18.0 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

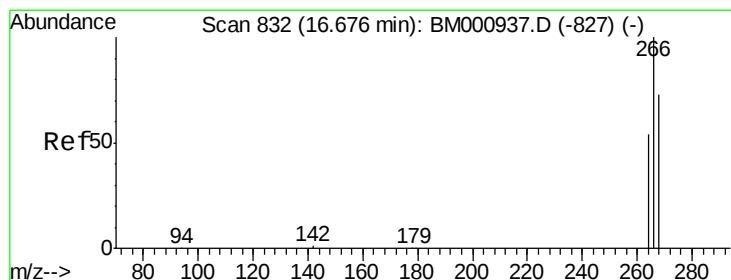
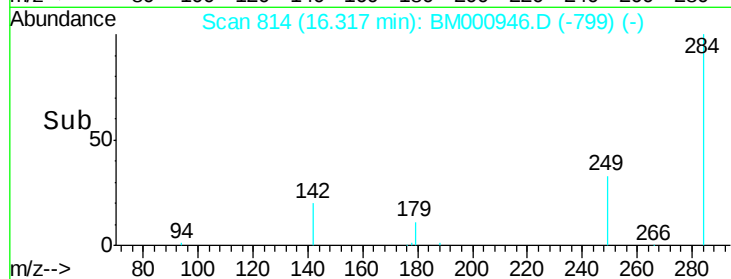
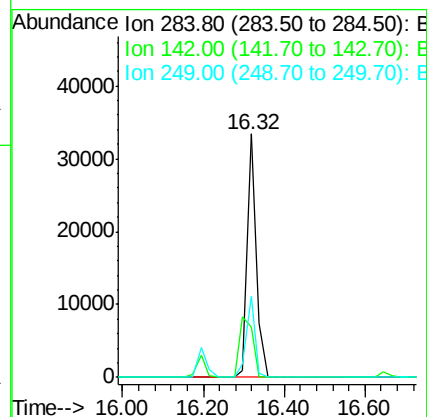
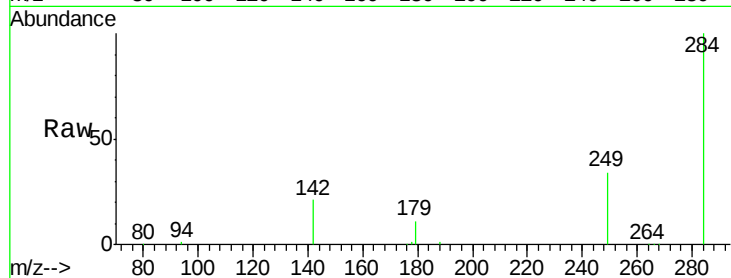




#25
Hexachlorobenzene
Concen: 9.45 ng
RT: 16.32 min Scan# 814
Delta R.T. 0.00 min
Lab File: BM000946.D
Acq: 10 Apr 2015 19:13

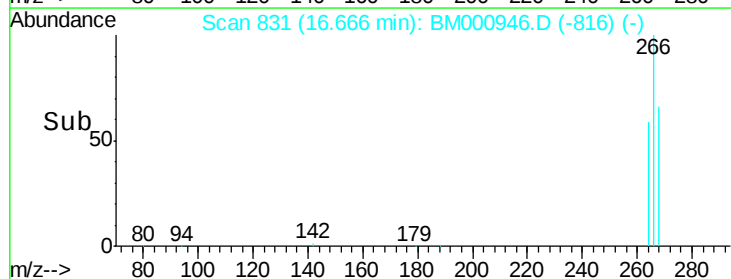
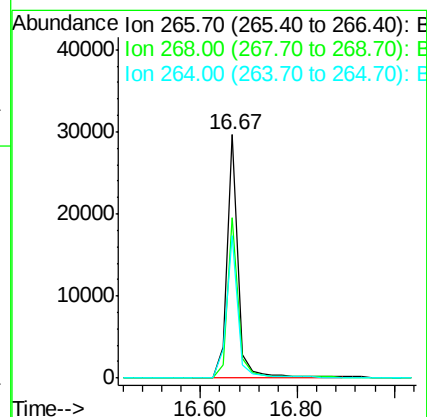
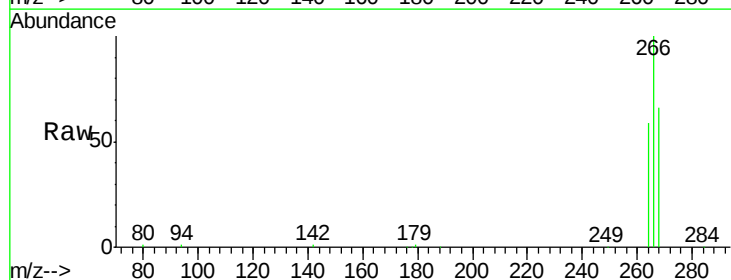
Instrument :
BNA_M
ClientSampleId :
LS-SW01MSD

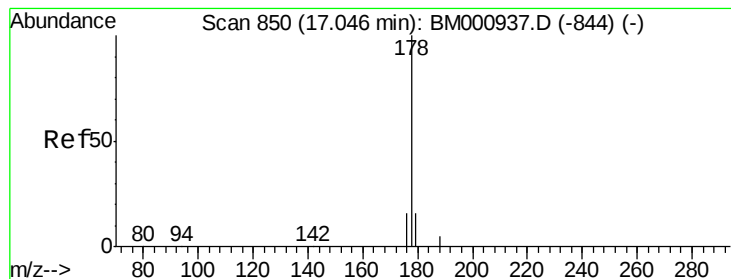
Tgt Ion:284 Resp: 51330
Ion Ratio Lower Upper
284 100
142 20.5 16.2 24.2
249 33.5 27.4 41.2



#26
Pentachlorophenol
Concen: 21.99 ng
RT: 16.67 min Scan# 831
Delta R.T. 0.00 min
Lab File: BM000946.D
Acq: 10 Apr 2015 19:13

Tgt Ion:266 Resp: 47829
Ion Ratio Lower Upper
266 100
268 66.0 53.0 79.4
264 58.7 49.4 74.0





#27

Phenanthrene

Concen: 9.29 ng

RT: 17.04 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

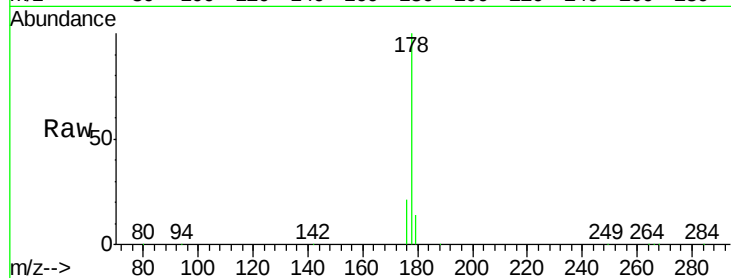
Tgt Ion:178 Resp: 241079

Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

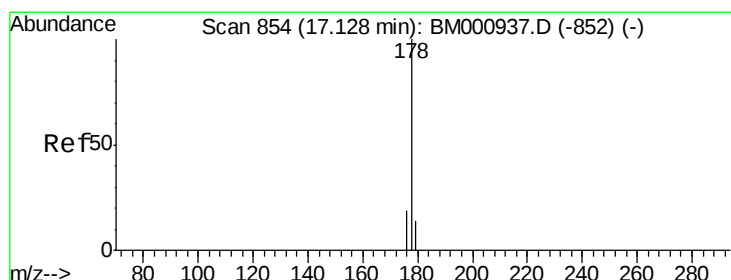
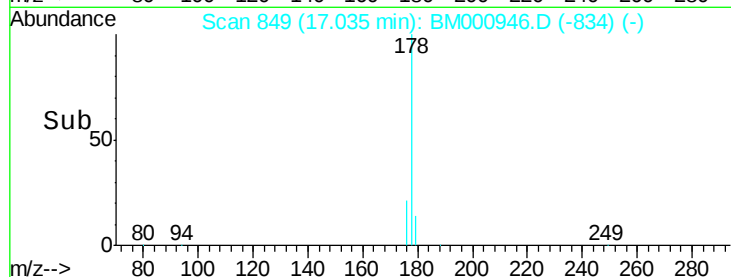
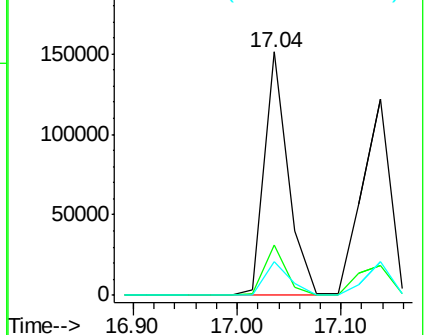
179 13.7 11.4 17.2



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



#28

Anthracene

Concen: 9.63 ng

RT: 17.14 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

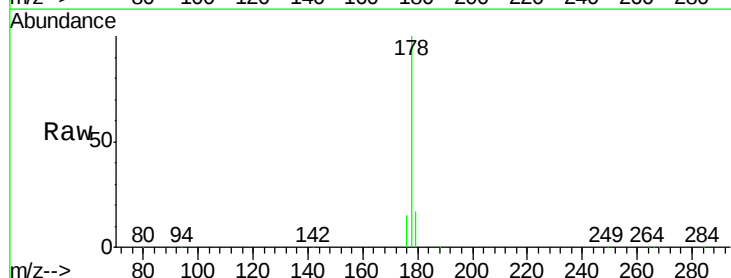
Tgt Ion:178 Resp: 229032

Ion Ratio Lower Upper

178 100

176 15.0 12.7 19.1

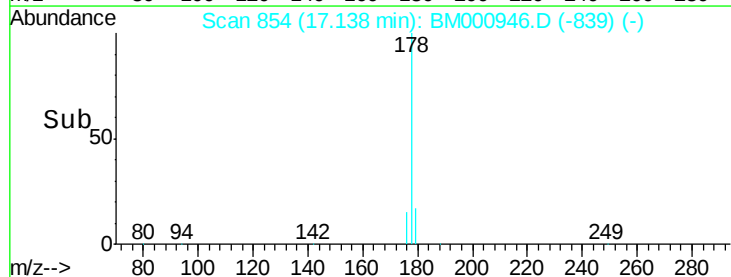
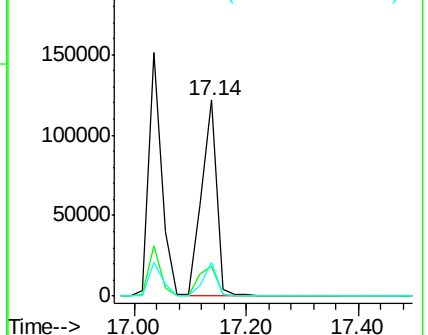
179 17.3 13.9 20.9

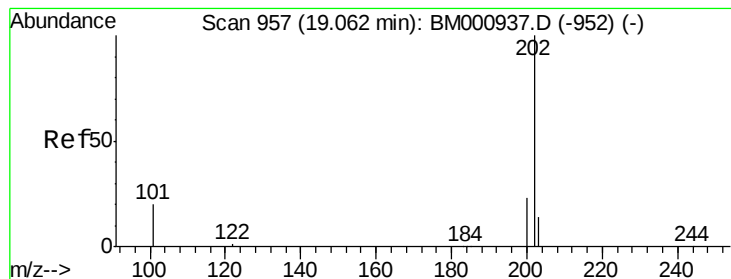


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Fluoranthene

Concen: 10.35 ng

RT: 19.07 min Scan# 957

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

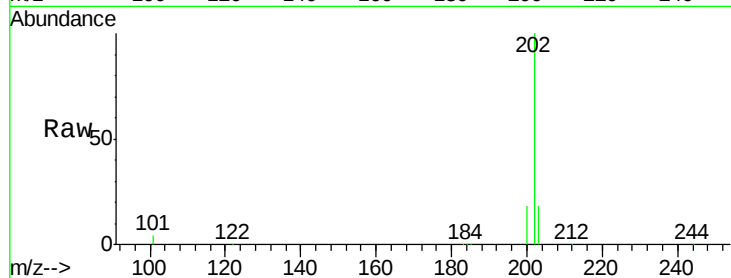
Tgt Ion:202 Resp: 280855

Ion Ratio Lower Upper

202 100

101 3.7 0.0 24.1

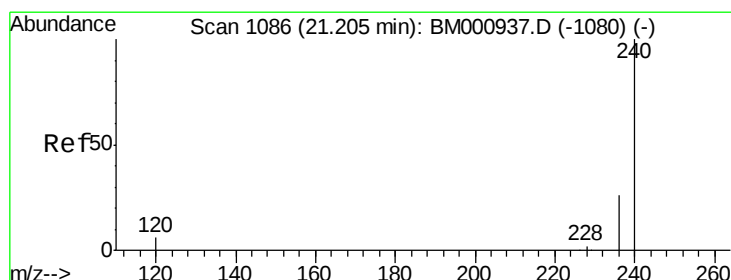
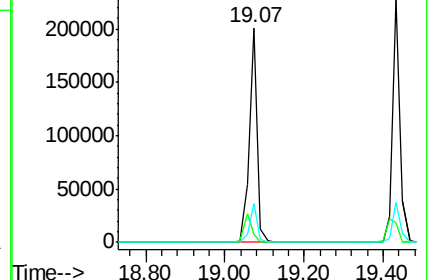
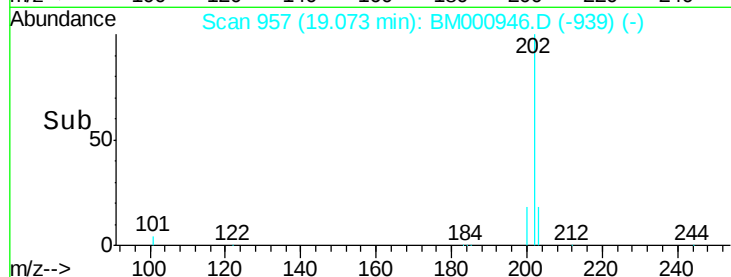
203 18.3 0.0 38.4



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



#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.20 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

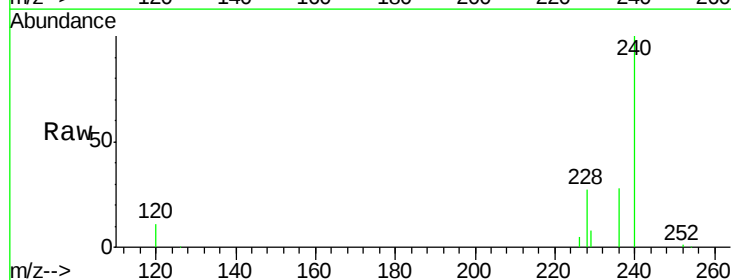
Tgt Ion:240 Resp: 92752

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

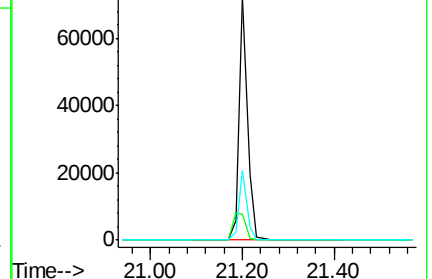
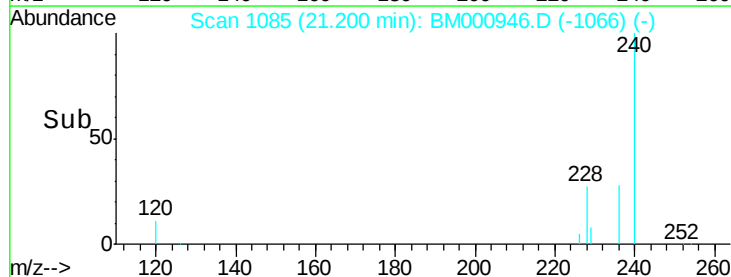
236 28.4 22.1 33.1

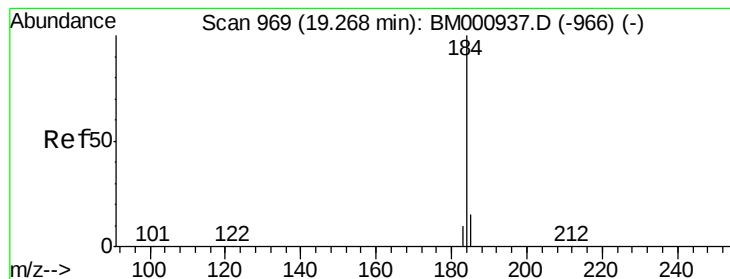


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Benzidine

Concen: 0.09 ng

RT: 19.26 min Scan# 968

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

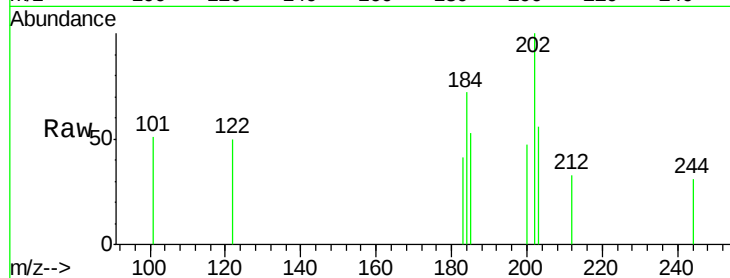
Tgt Ion:184 Resp: 343

Ion Ratio Lower Upper

184 100

185 73.3 12.2 18.4#

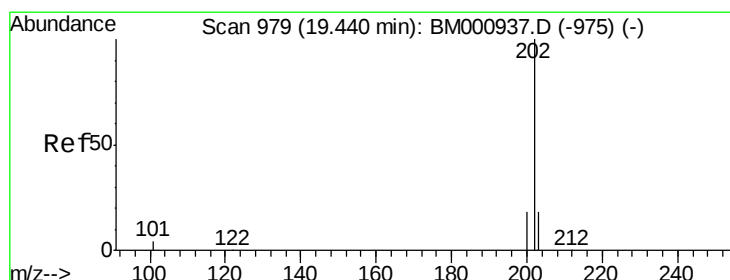
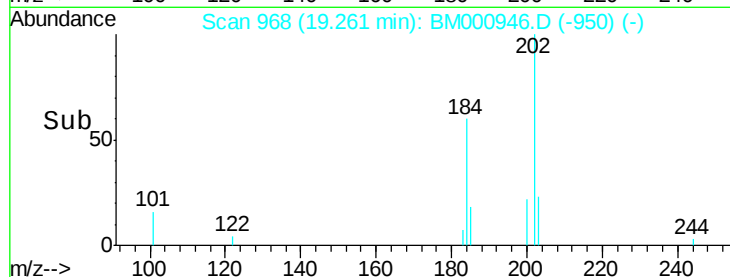
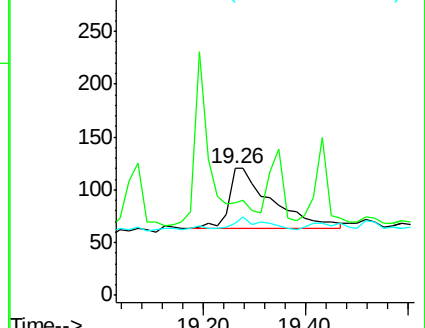
183 56.7 10.3 15.5#



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: 10.03 ng

RT: 19.43 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

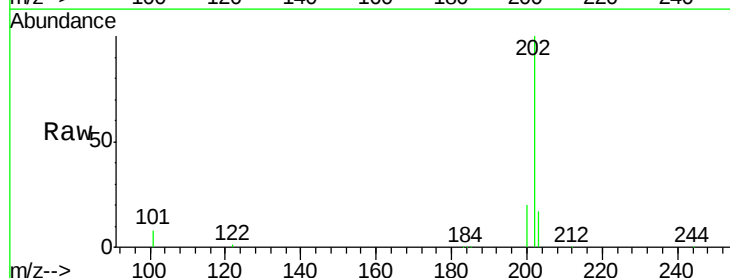
Tgt Ion:202 Resp: 302367

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

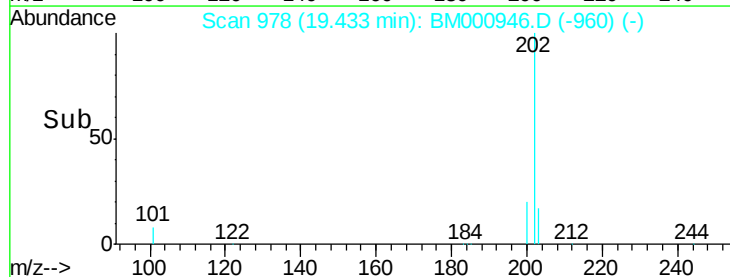
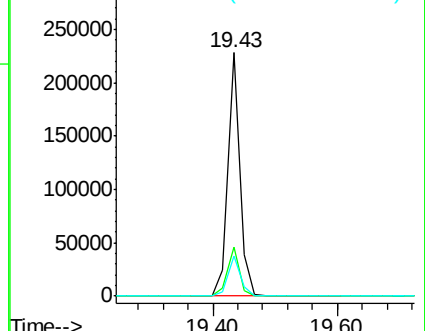
203 16.6 13.5 20.3

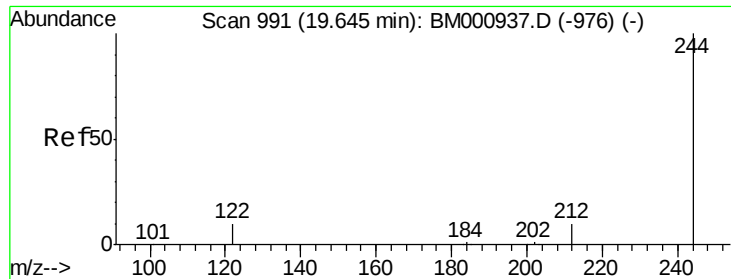


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

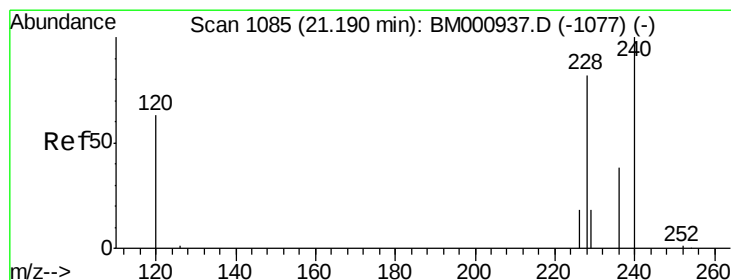
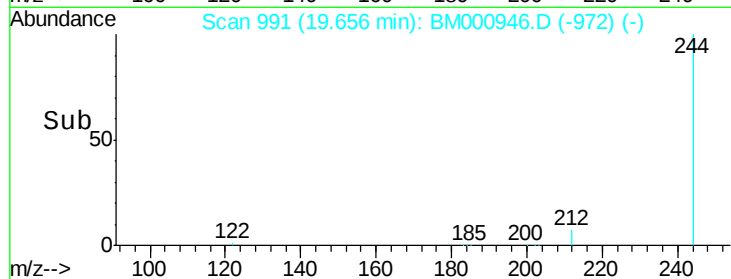
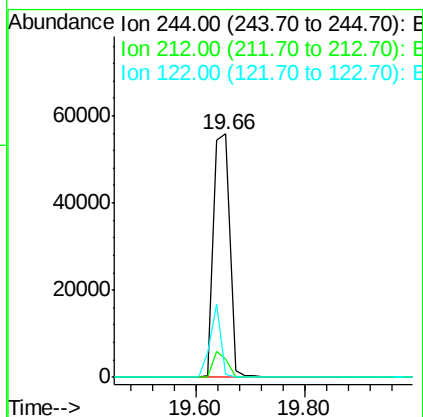
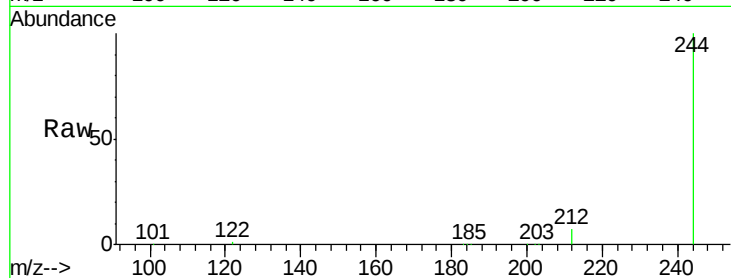




#33
 Terphenyl-d14
 Concen: 10.33 ng
 RT: 19.66 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

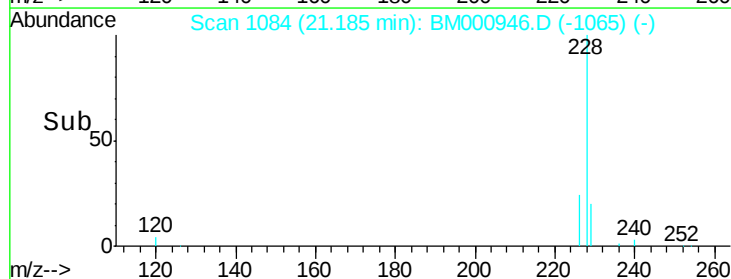
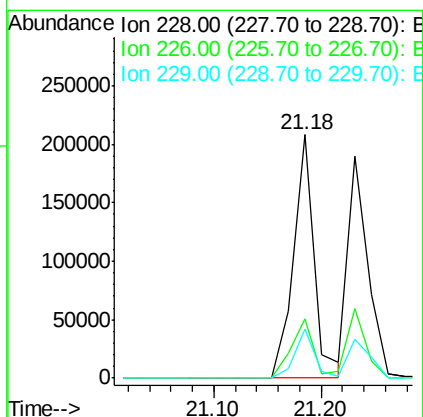
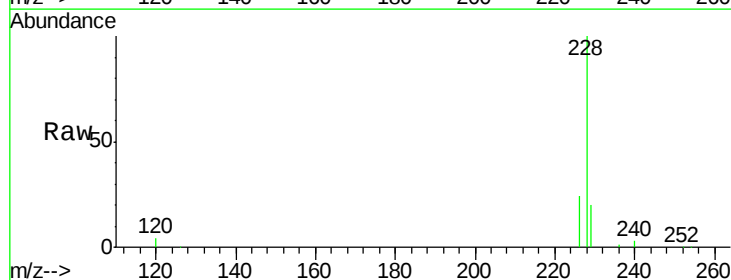
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

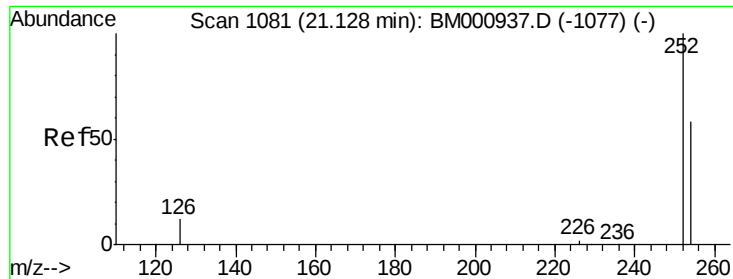
Tgt Ion:244 Resp: 116698
 Ion Ratio Lower Upper
 244 100
 212 7.3 9.4 14.0#
 122 1.3 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 10.38 ng
 RT: 21.18 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

Tgt Ion:228 Resp: 277741
 Ion Ratio Lower Upper
 228 100
 226 24.4 18.9 28.3
 229 20.2 16.8 25.2

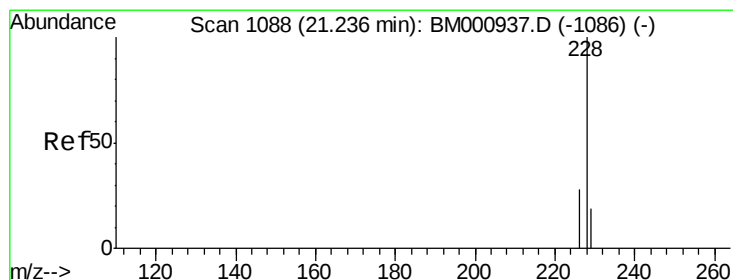
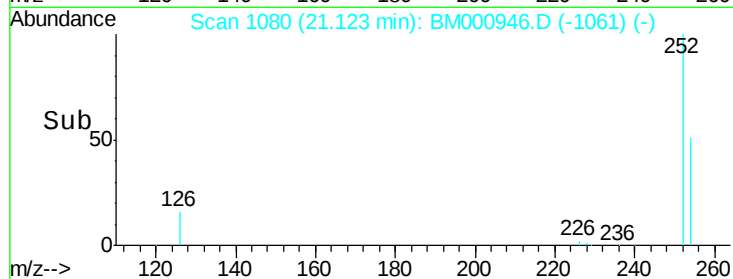
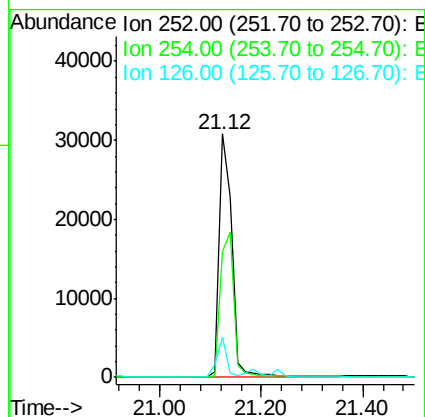
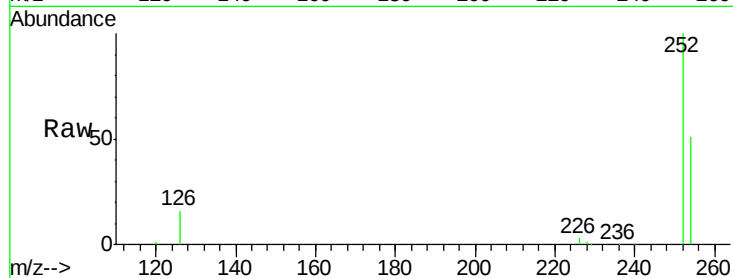




#35
 3,3'-Dichlorobenzidine
 Concen: 5.32 ng
 RT: 21.12 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

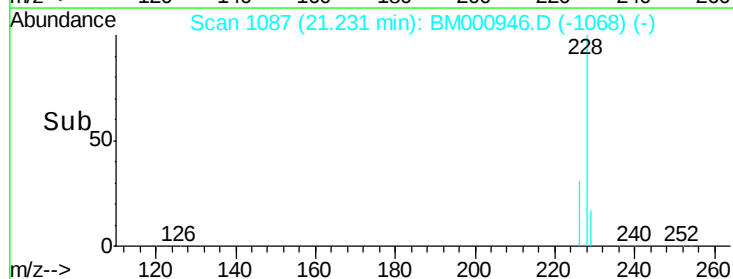
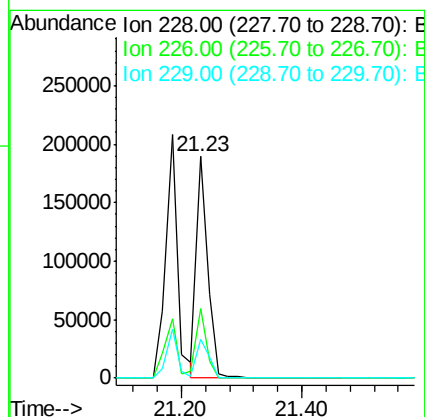
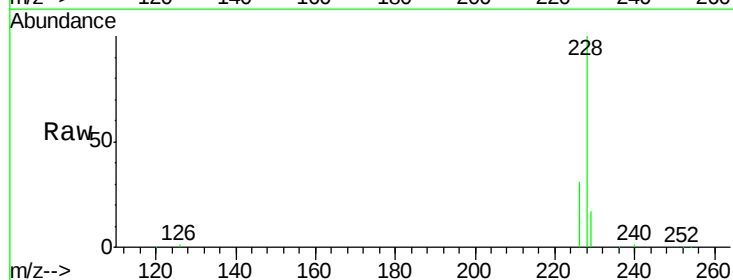
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

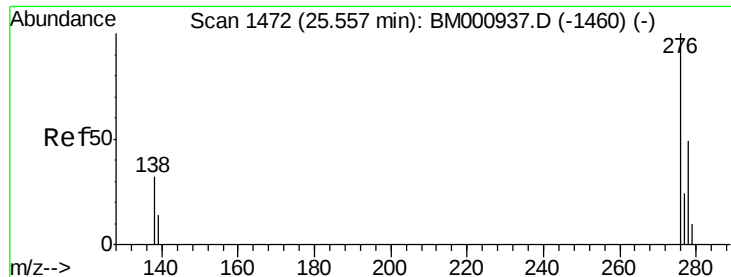
Tgt Ion: 252 Resp: 54726
 Ion Ratio Lower Upper
 252 100
 254 51.5 43.4 65.2
 126 16.2 12.3 18.5



#36
 Chrysene
 Concen: 9.09 ng
 RT: 21.23 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

Tgt Ion: 228 Resp: 248841
 Ion Ratio Lower Upper
 228 100
 226 31.5 23.4 35.2
 229 17.5 15.0 22.6

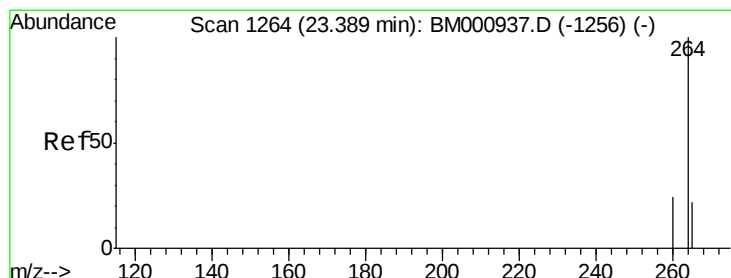
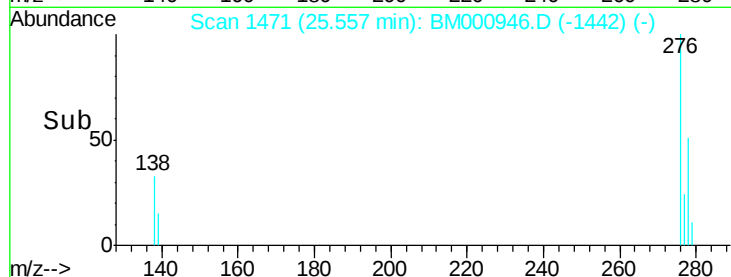
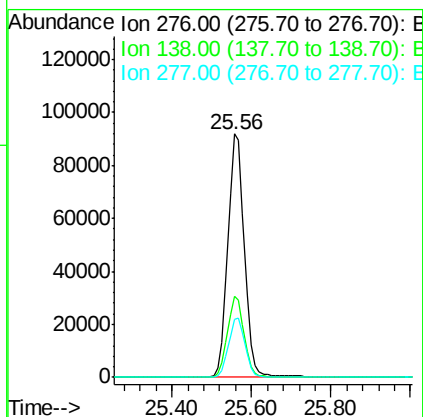
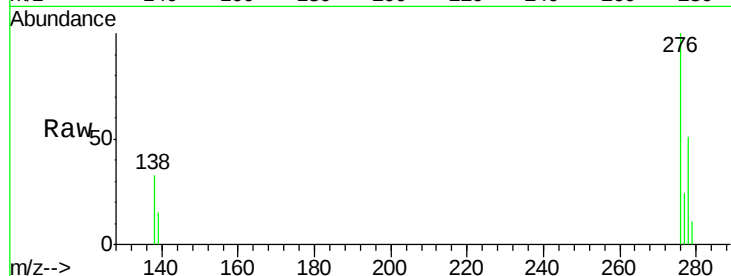




#37
 Indeno(1,2,3-cd)pyrene
 Concen: 9.51 ng
 RT: 25.56 min Scan# 1471
 Delta R.T. 0.00 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

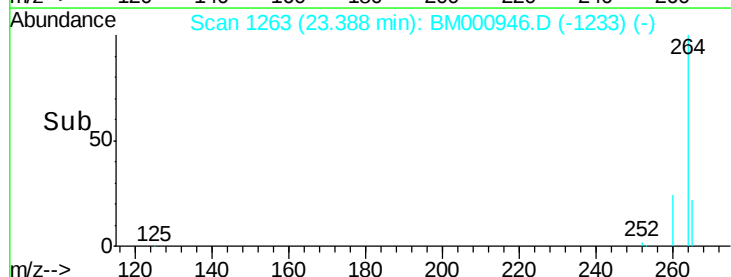
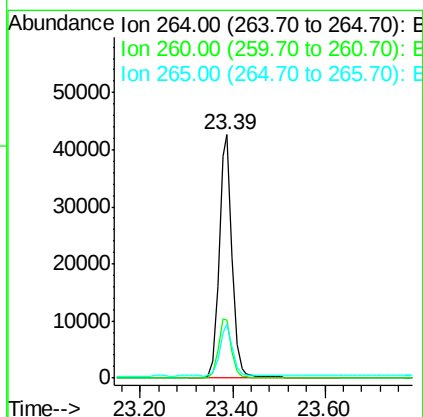
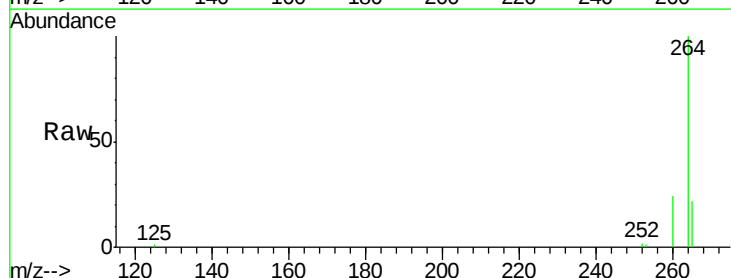
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MSD

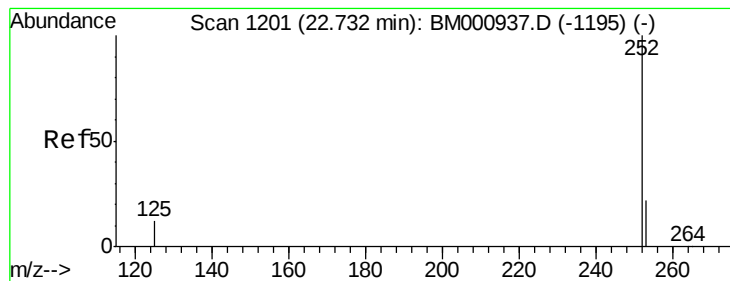
Tgt Ion: 276 Resp: 265660
 Ion Ratio Lower Upper
 276 100
 138 33.6 26.6 40.0
 277 24.5 19.8 29.6



#38
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: BM000946.D
 Acq: 10 Apr 2015 19:13

Tgt Ion: 264 Resp: 82451
 Ion Ratio Lower Upper
 264 100
 260 23.8 20.6 30.8
 265 22.4 16.4 24.6





#39

Benzo(b)fluoranthene

Concen: 10.35 ng

RT: 22.73 min Scan# 1200

Delta R.T. 0.01 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

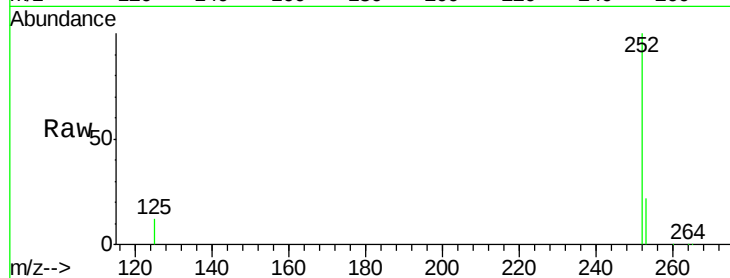
Tgt Ion:252 Resp: 267057

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

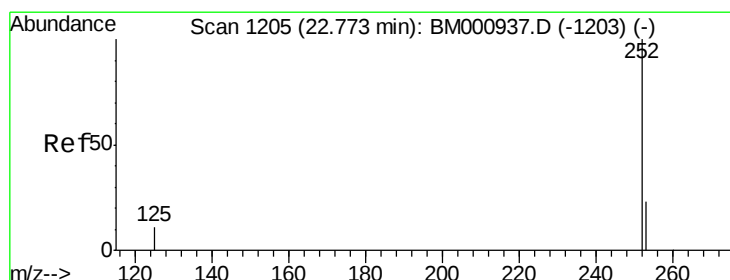
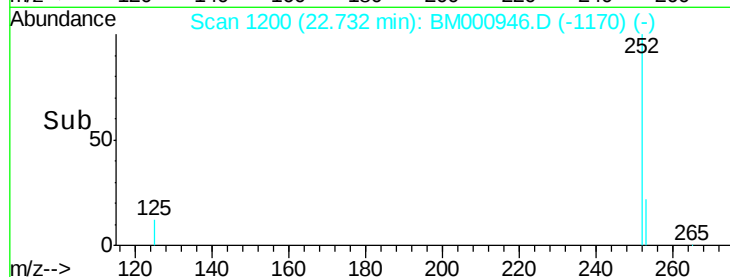
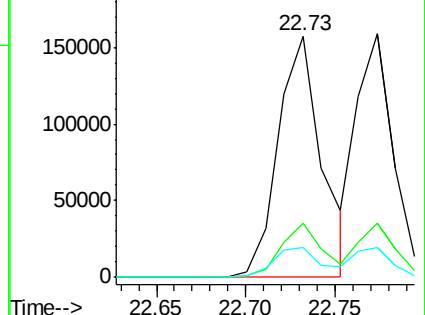
125 12.4 11.3 16.9



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: 9.42 ng

RT: 22.77 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

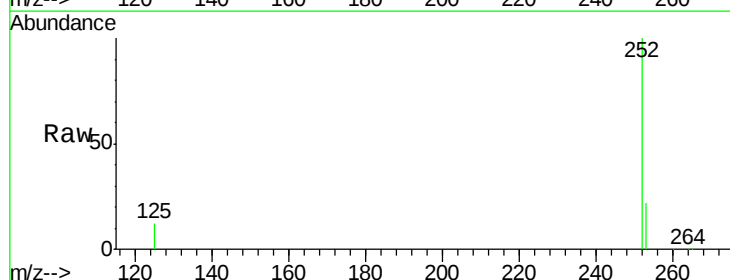
Tgt Ion:252 Resp: 233960

Ion Ratio Lower Upper

252 100

253 22.3 16.9 25.3

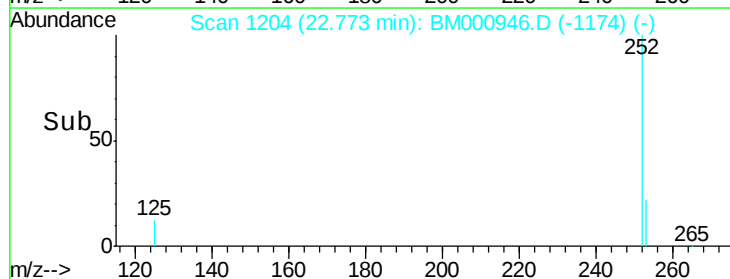
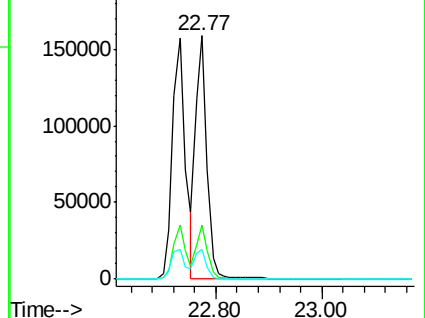
125 12.3 11.2 16.8

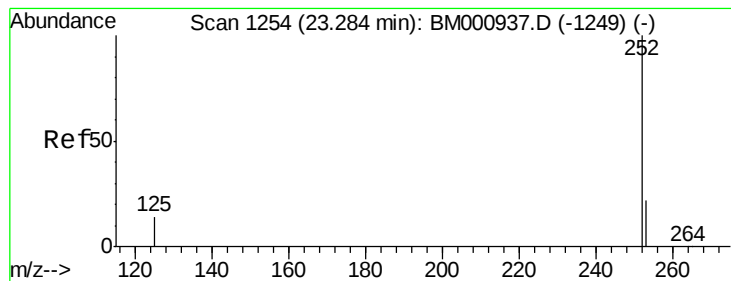


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#41

Benzo(a)pyrene

Concen: 10.39 ng

RT: 23.28 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD

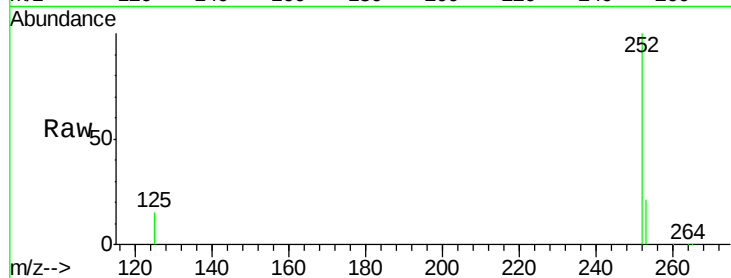
Tgt Ion: 252 Resp: 236207

Ion Ratio Lower Upper

252 100

253 21.0 19.0 28.4

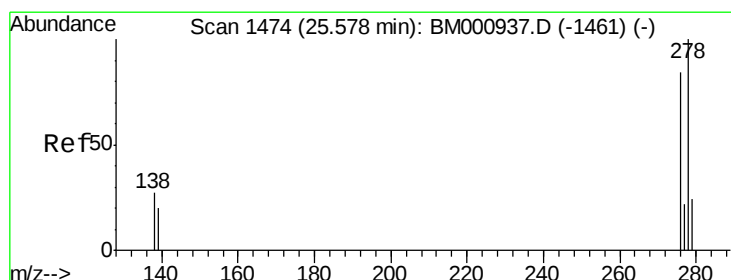
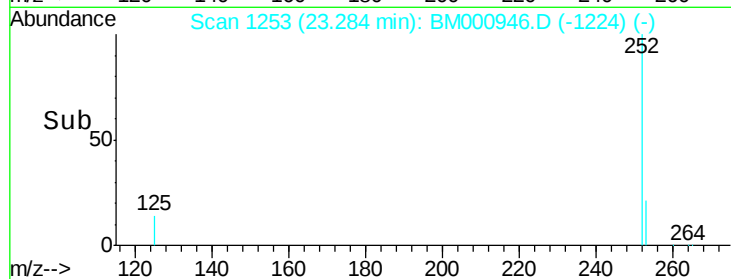
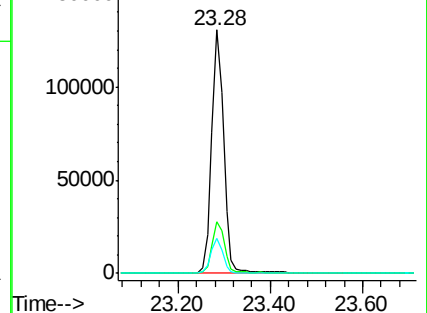
125 14.5 11.0 16.6



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: 10.18 ng

RT: 25.58 min Scan# 1473

Delta R.T. 0.01 min

Lab File: BM000946.D

Acq: 10 Apr 2015 19:13

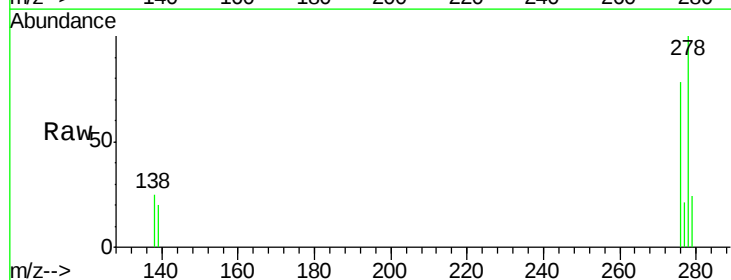
Tgt Ion: 278 Resp: 214443

Ion Ratio Lower Upper

278 100

139 19.9 17.8 26.8

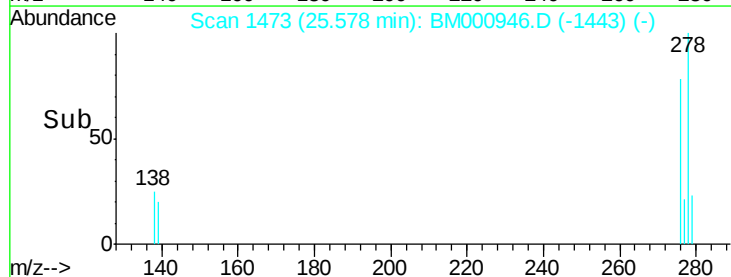
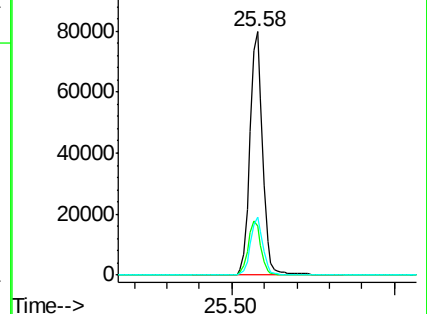
279 23.6 19.0 28.6

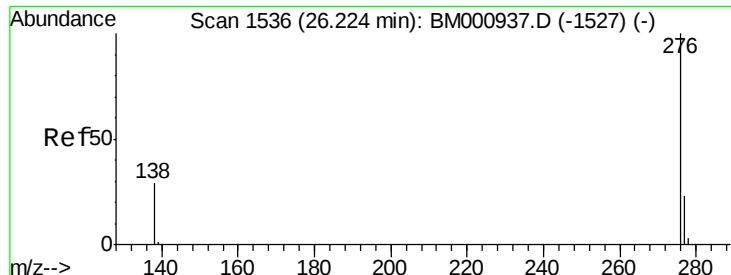


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.72 ng

RT: 26.23 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BM000946.D

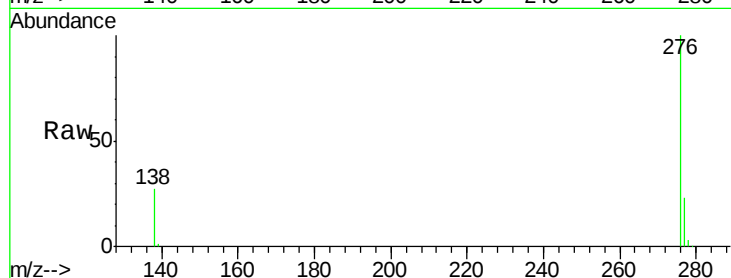
Acq: 10 Apr 2015 19:13

Instrument :

BNA_M

ClientSampleId :

LS-SW01MSD



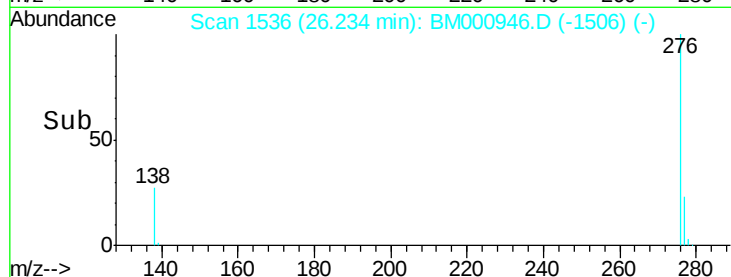
Tgt Ion: 276 Resp: 226046

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 27.1 21.7 32.5



Abundance Ion 276.00 (275.70 to 276.70): E

100000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

