

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
 Data File : BF079386.D
 Acq On : 20 May 2015 19:00
 Operator : TP/IZ
 Sample : G2299-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

Quant Time: May 21 01:15:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	66433	20.00	ng	0.00
21) Naphthalene-d8	8.66	136	268857	20.00	ng	0.00
38) Acenaphthene-d10	10.83	164	135410	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	257293	20.00	ng	0.00
75) Chrysene-d12	15.97	240	276342	20.00	ng	-0.01
86) Perylene-d12	17.76	264	279446	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	234909	60.87	ng	0.00
7) Phenol-d6	6.66	99	325903	63.89	ng	0.00
23) Nitrobenzene-d5	7.78	82	189583	40.53	ng	0.00
41) 2,4,6-Tribromophenol	11.82	330	90776	61.97	ng	0.00
44) 2-Fluorobiphenyl	10.01	172	344748	35.47	ng	0.00
78) Terphenyl-d14	14.67	244	400418	34.69	ng	0.00

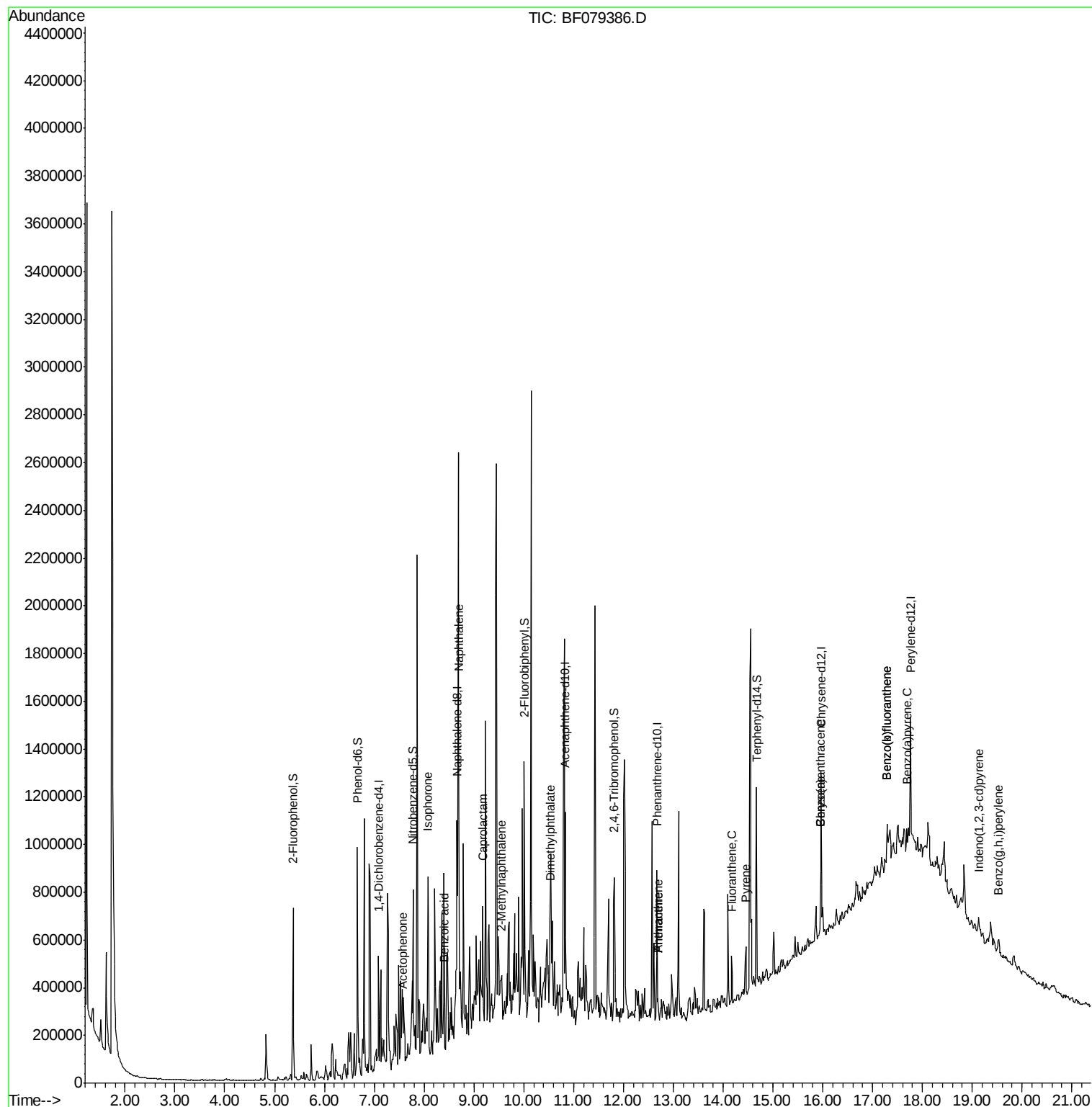
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Acetophenone	7.58	105	41697	6.86	ng	# 52
25) Isophorone	8.08	82	22656	2.61	ng	# 1
31) Naphthalene	8.70	128	36565	2.85	ng	# 61
32) Benzoic acid	8.41	122	3534	7.59	ng	# 1
35) Caprolactam	9.18	113	4107	3.72	ng	# 1
37) 2-Methylnaphthalene	9.55	142	21439	2.41	ng	# 94
49) Dimethylphthalate	10.52	163	30684	3.09	ng	# 96
70) Phenanthrene	12.70	178	46717	3.25	ng	97
71) Anthracene	12.70	178	45181	3.20	ng	98
74) Fluoranthene	14.17	202	103110	6.87	ng	98
77) Pyrene	14.46	202	102906	6.46	ng	98
80) Benzo(a)anthracene	15.95	228	66655	4.40	ng	# 90
82) Chrysene	15.95	228	66224	4.55	ng	93
85) Indeno(1,2,3-cd)pyrene	19.13	276	49409	2.66	ng	97
87) Benzo(b)fluoranthene	17.29	252	131305	8.58	ng	# 88
88) Benzo(k)fluoranthene	17.29	252	131305	8.87	ng	# 86
89) Benzo(a)pyrene	17.69	252	54897	3.90	ng	# 78
91) Benzo(g,h,i)perylene	19.53	276	48561	3.24	ng	# 92

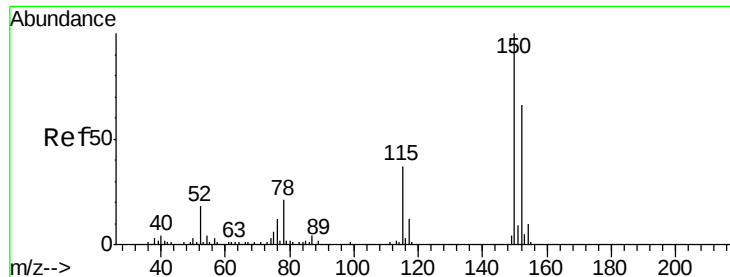
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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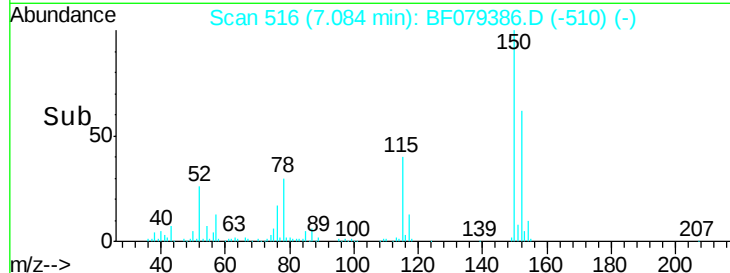
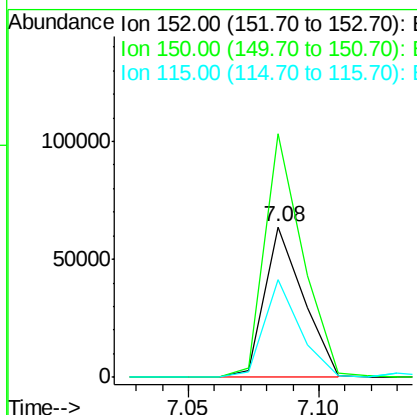
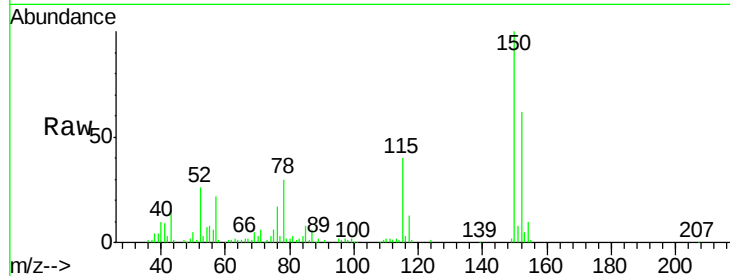




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.08 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

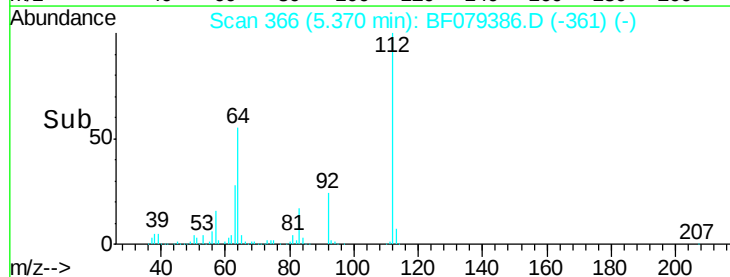
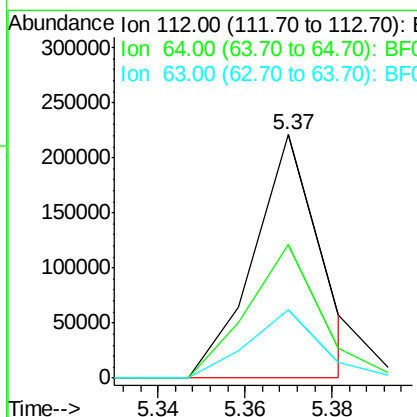
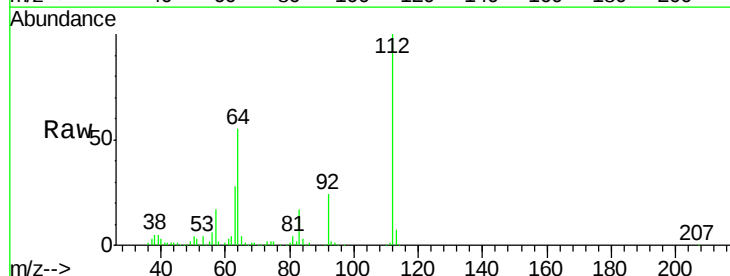
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

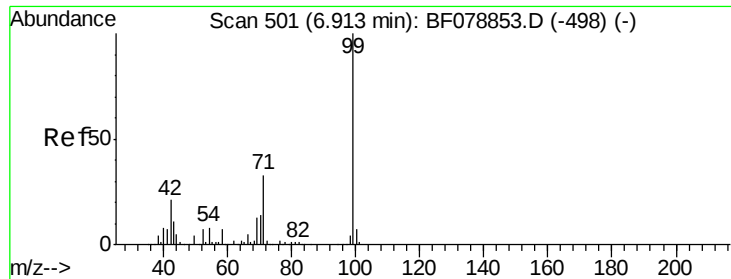
Tgt Ion:152 Resp: 66433
 Ion Ratio Lower Upper
 152 100
 150 162.0 123.8 185.8
 115 65.3 49.4 74.0



#5
 2-Fluorophenol
 Concen: 60.87 ng
 RT: 5.37 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Tgt Ion:112 Resp: 234909
 Ion Ratio Lower Upper
 112 100
 64 54.9 44.2 66.2
 63 28.2 22.7 34.1





#7

Phenol-d6

Concen: 63.89 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

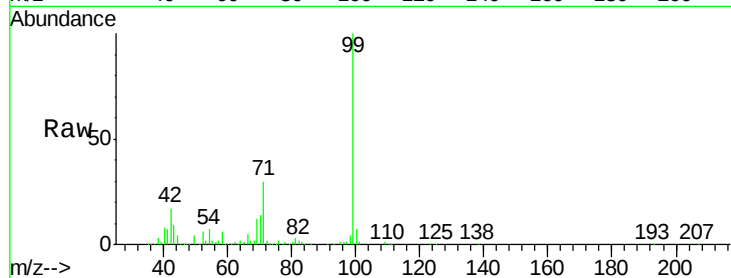
Tgt Ion: 99 Resp: 325903

Ion Ratio Lower Upper

99 100

42 17.1 17.1 25.7

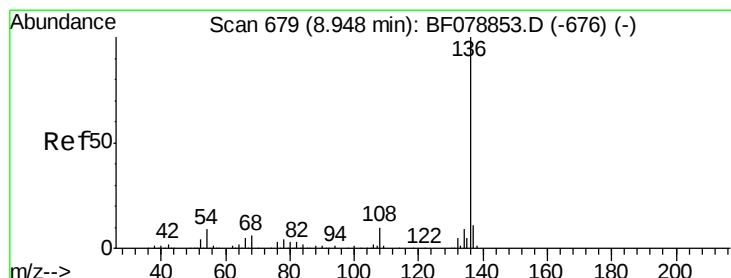
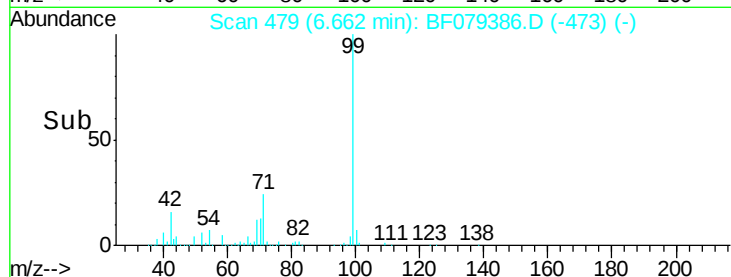
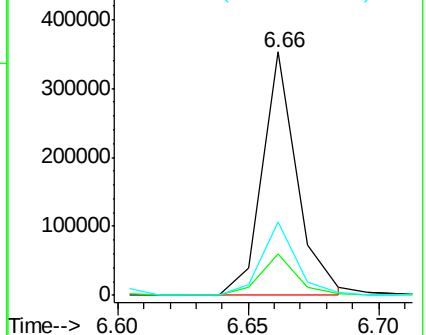
71 30.1 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion: 136 Resp: 268857

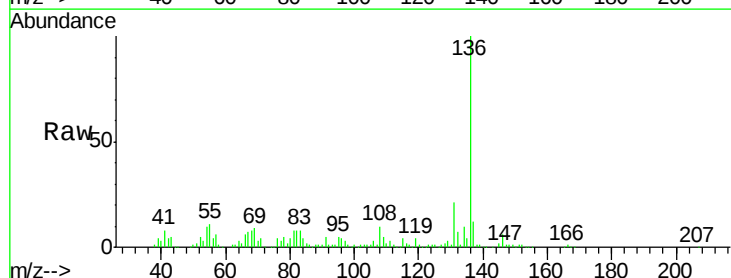
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 9.8 6.9 10.3

68 8.2 4.9 7.3#

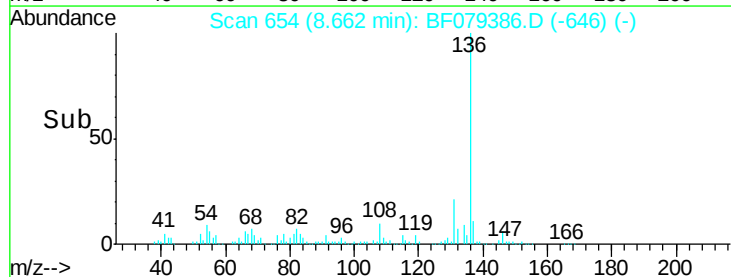
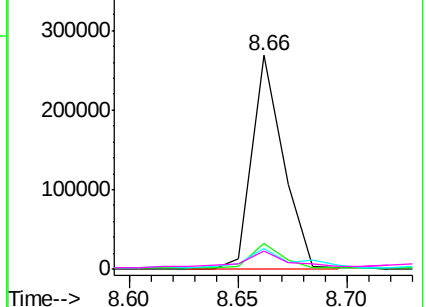


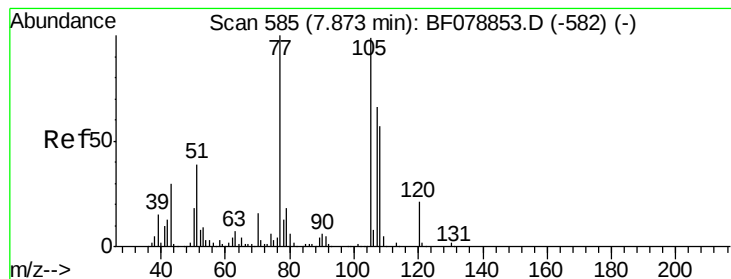
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 6.86 ng

RT: 7.58 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF079386.D

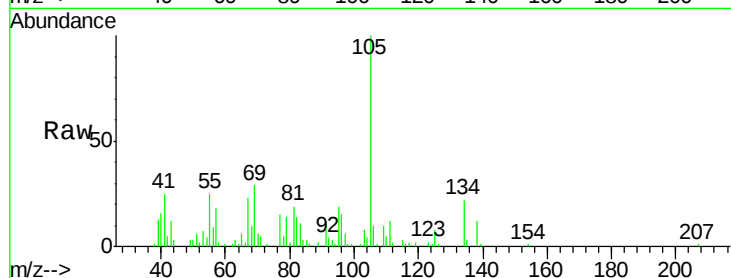
Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)



Tgt Ion: 105 Resp: 41697

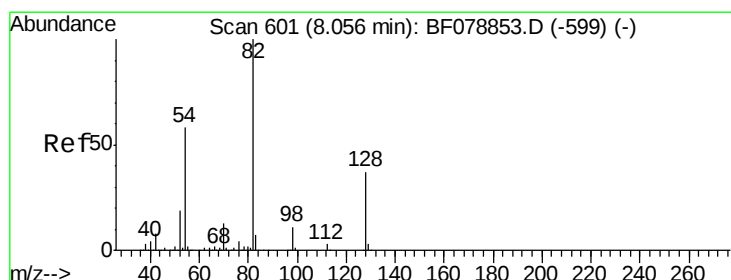
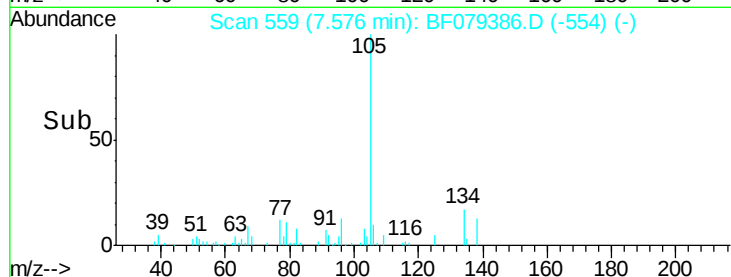
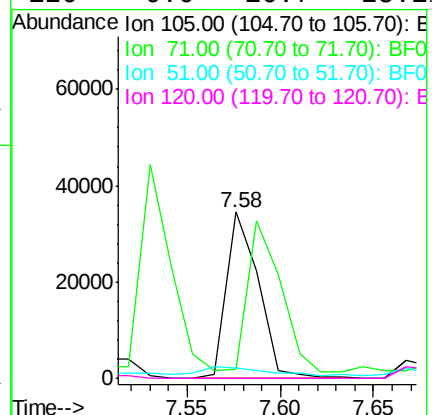
Ion Ratio Lower Upper

105 100

71 5.2 2.2 3.4#

51 6.4 31.1 46.7#

120 0.0 16.7 25.1#



#23

Nitrobenzene-d5

Concen: 40.53 ng

RT: 7.78 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

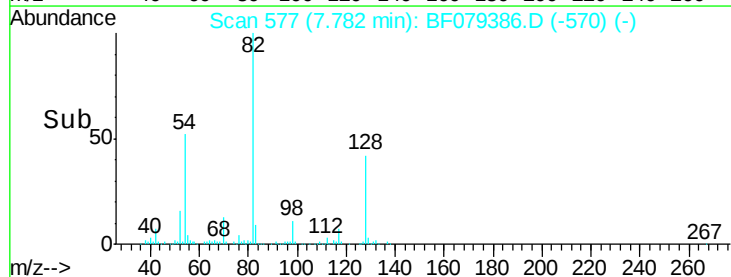
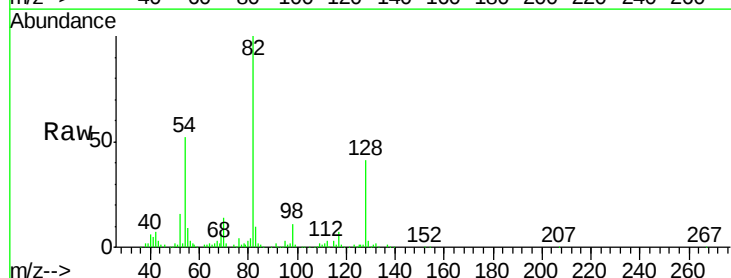
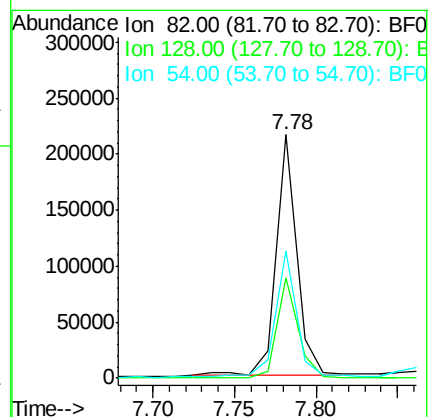
Tgt Ion: 82 Resp: 189583

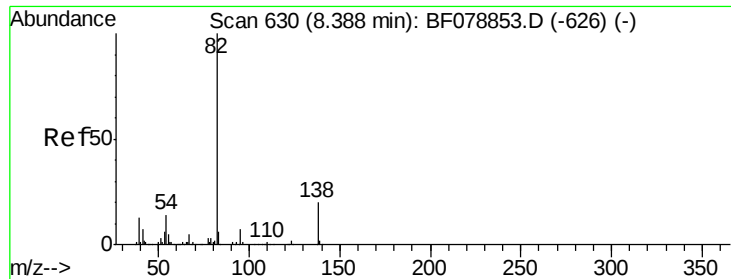
Ion Ratio Lower Upper

82 100

128 41.3 29.7 44.5

54 52.1 46.2 69.4

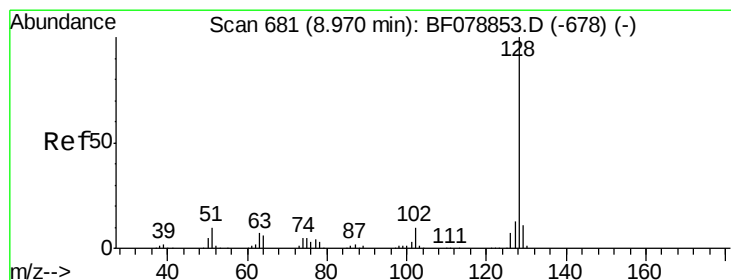
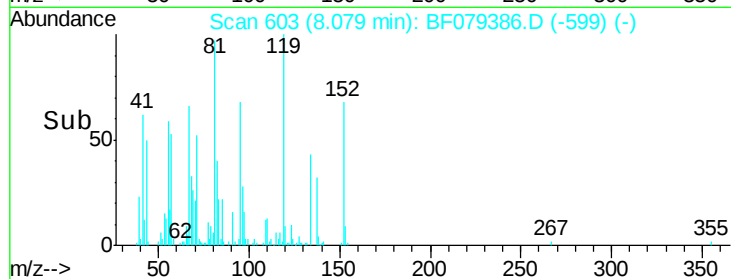
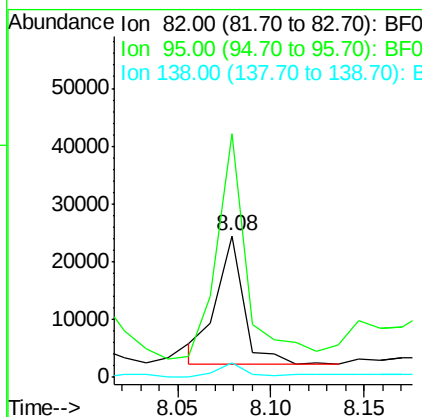
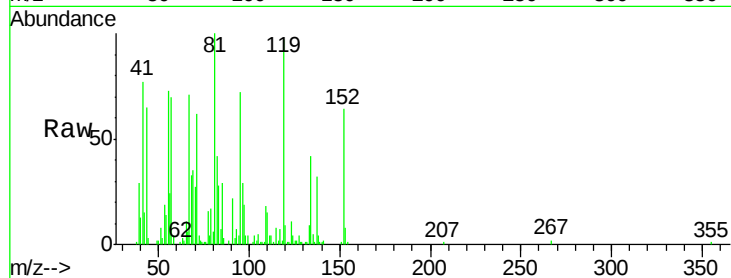




#25
Isophorone
Concen: 2.61 ng
RT: 8.08 min Scan# 603
Delta R.T. -0.03 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

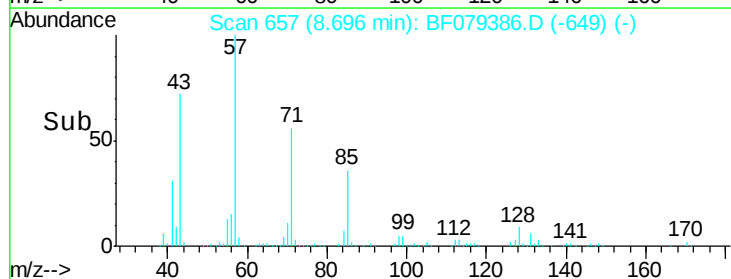
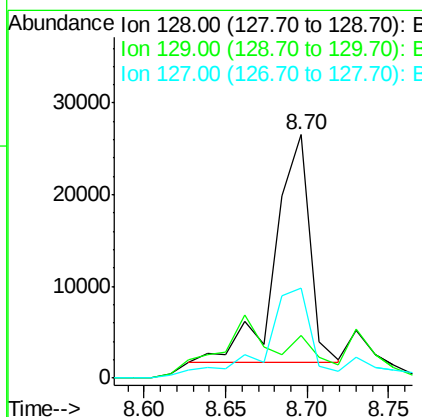
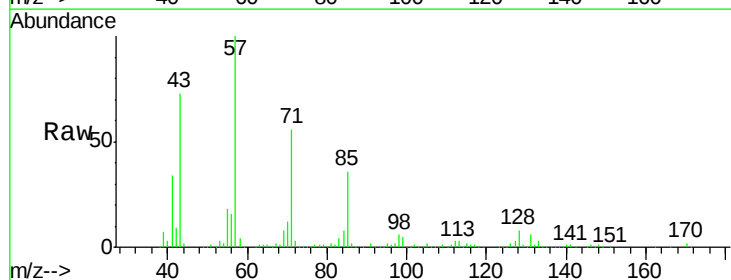
Instrument :
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LS-SB03A(2.5-3.0)

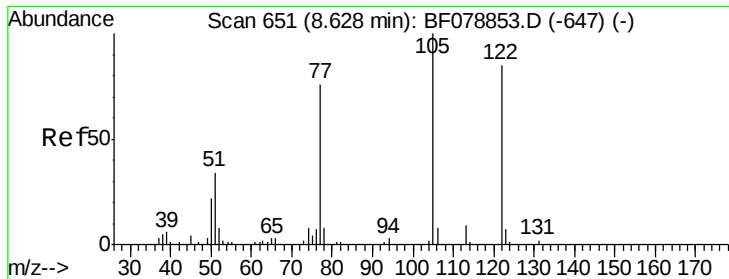
Tgt Ion: 82 Resp: 22656
Ion Ratio Lower Upper
82 100
95 172.0 5.4 8.2#
138 10.4 16.1 24.1#



#31
Naphthalene
Concen: 2.85 ng
RT: 8.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion: 128 Resp: 36565
Ion Ratio Lower Upper
128 100
129 17.3 9.2 13.8#
127 37.0 10.3 15.5#





#32

Benzoic acid

Concen: 7.59 ng

RT: 8.41 min Scan# 632

Delta R.T. 0.02 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

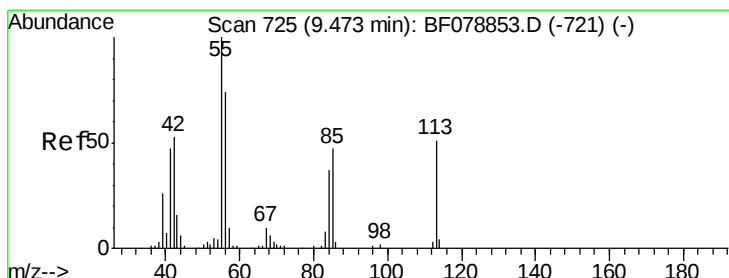
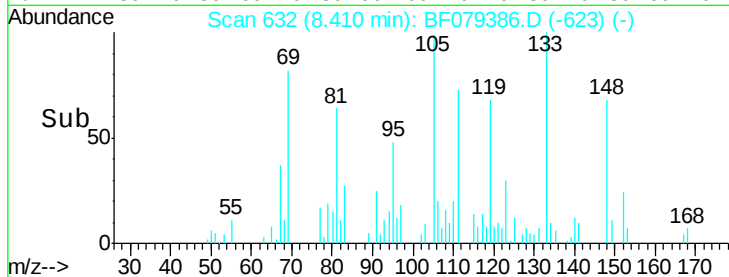
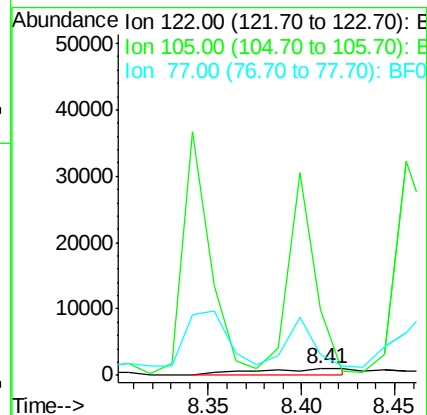
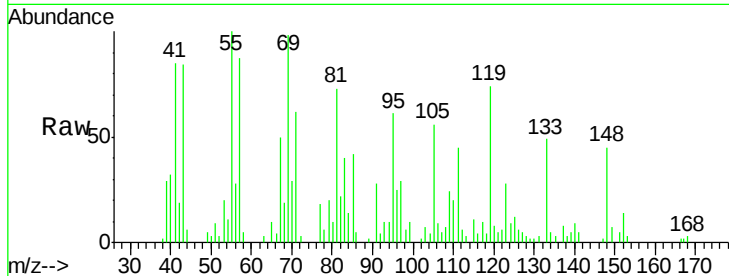
Tgt Ion:122 Resp: 3534

Ion Ratio Lower Upper

122 100

105 981.9 100.7 140.7#

77 316.6 72.0 112.0#



#35

Caprolactam

Concen: 3.72 ng

RT: 9.18 min Scan# 699

Delta R.T. -0.02 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

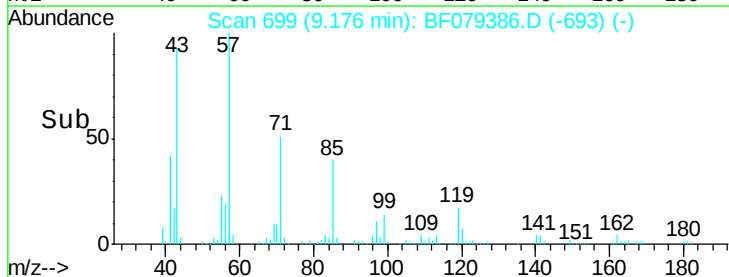
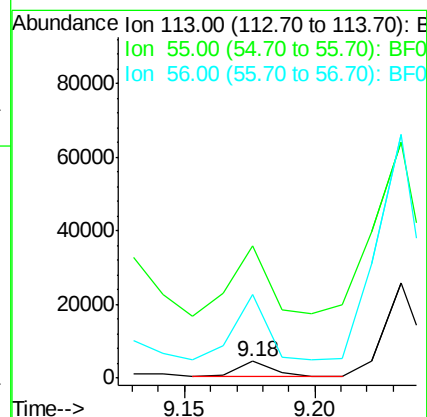
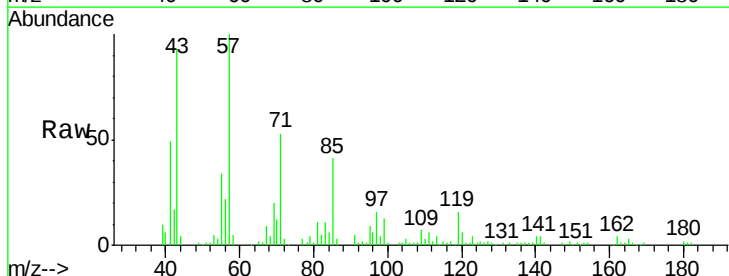
Tgt Ion:113 Resp: 4107

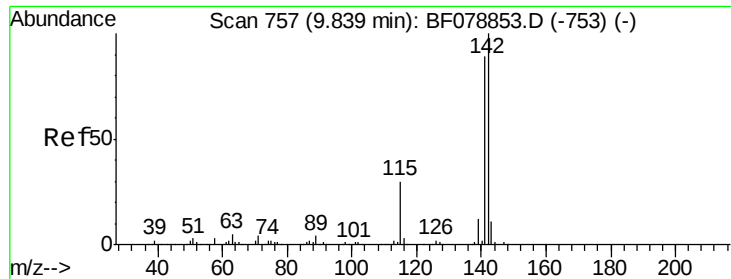
Ion Ratio Lower Upper

113 100

55 786.5 176.0 216.0#

56 496.2 123.8 163.8#

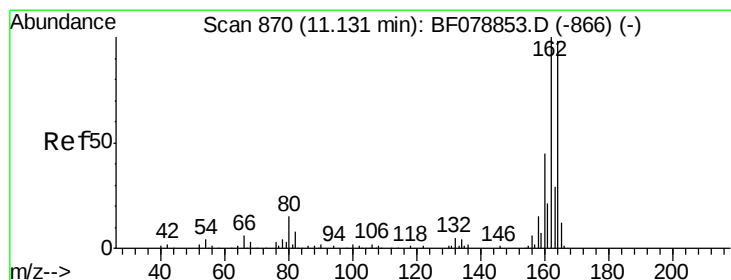
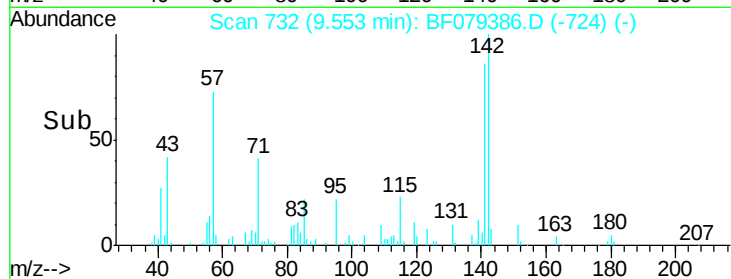
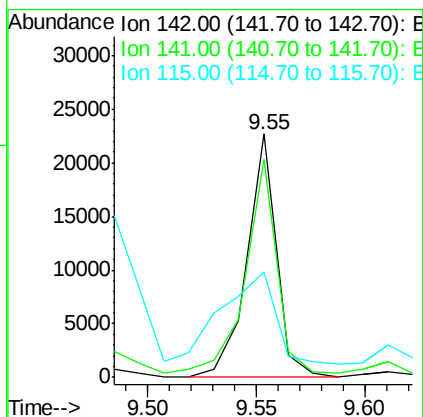
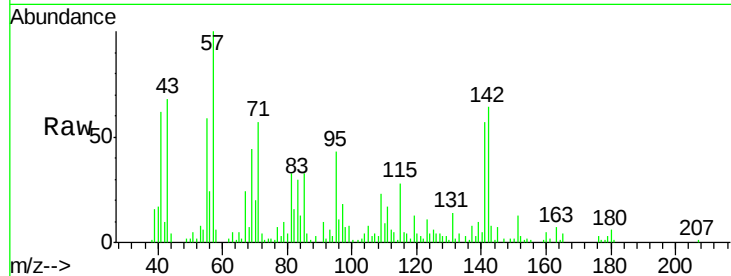




#37
2-Methylnaphthalene
Concen: 2.41 ng
RT: 9.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

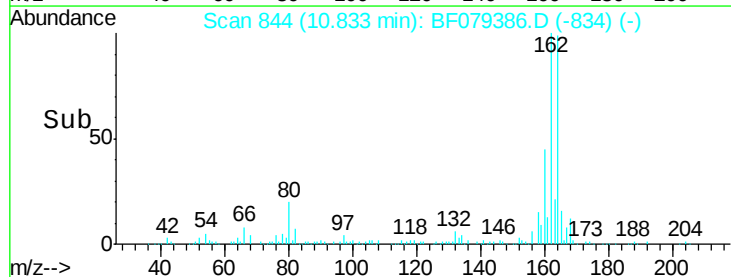
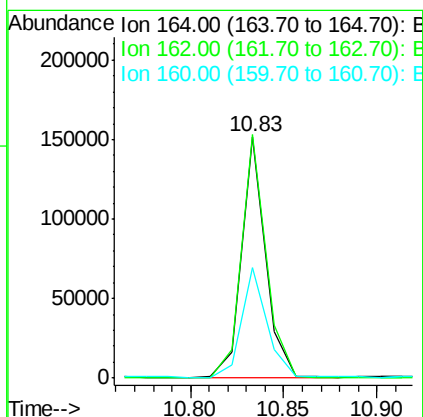
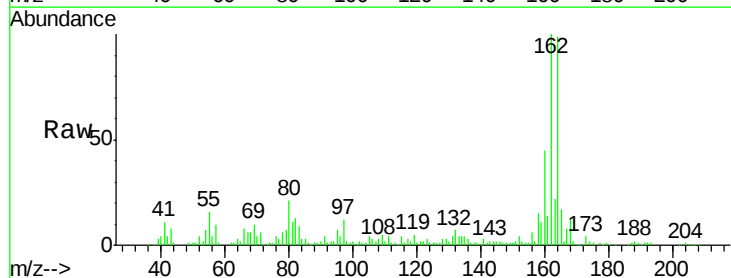
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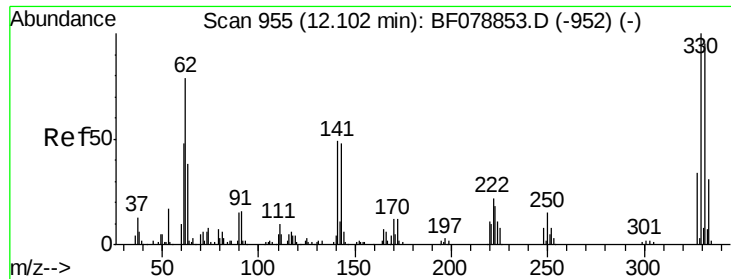
Tgt Ion:142 Resp: 21439
Ion Ratio Lower Upper
142 100
141 89.4 71.6 107.4
115 43.4 24.2 36.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion:164 Resp: 135410
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 45.6 36.6 54.8

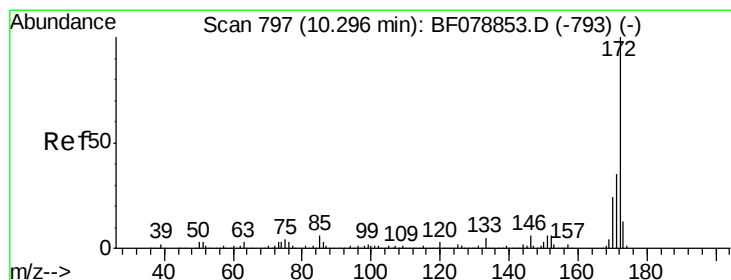
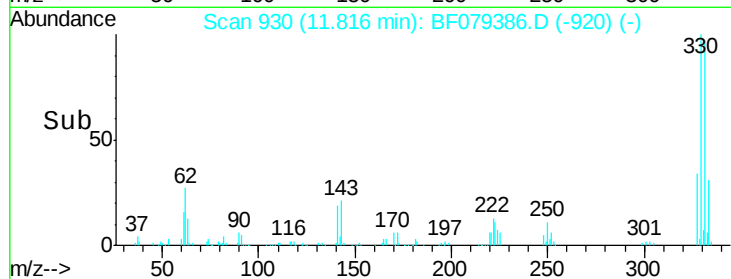
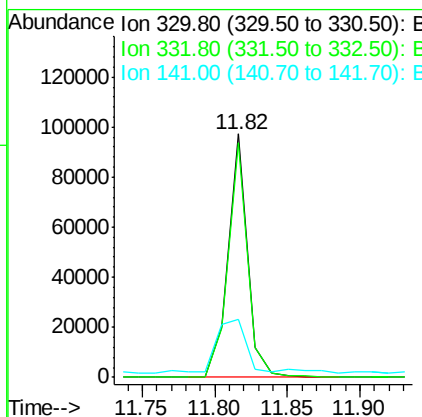
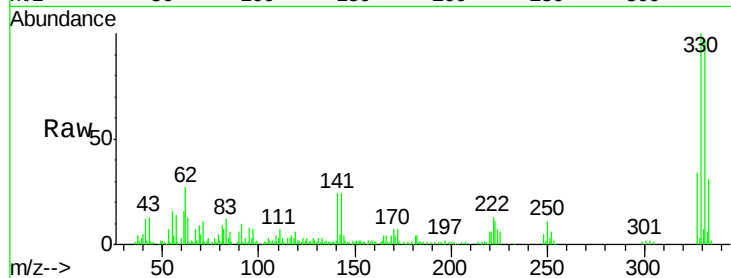




#41
 2,4,6-Tribromophenol
 Concen: 61.97 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

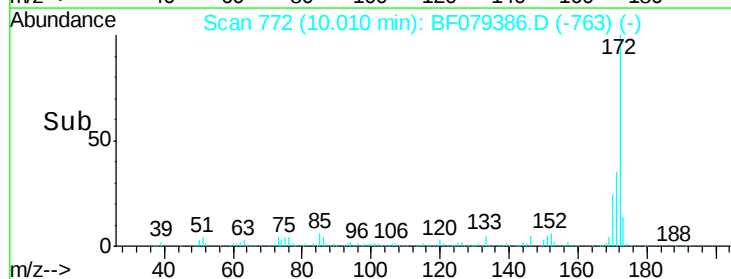
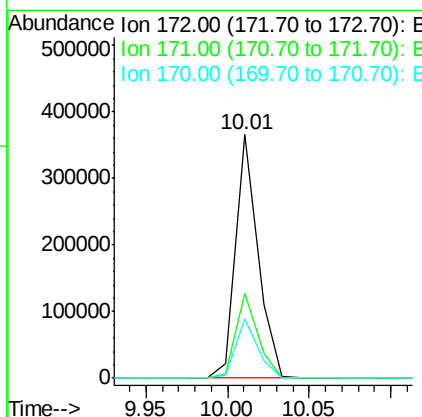
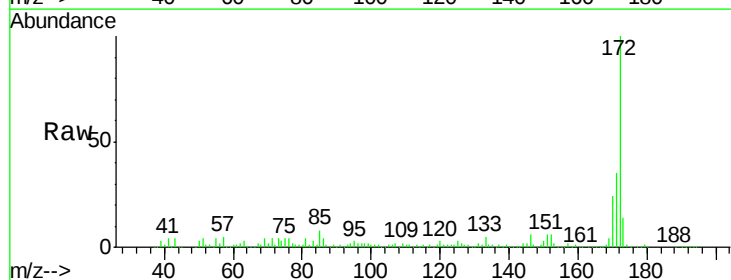
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

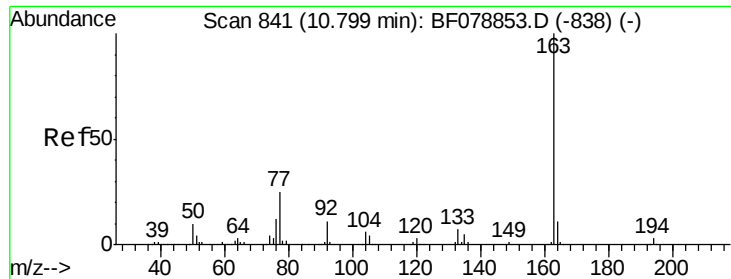
Tgt Ion:330 Resp: 90776
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.9 115.3
 141 36.2 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 35.47 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Tgt Ion:172 Resp: 344748
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.3 42.5
 170 24.2 19.4 29.2

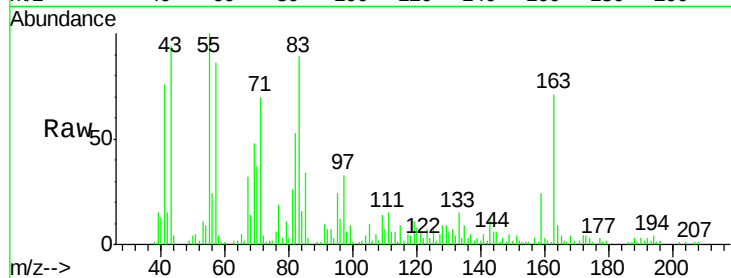




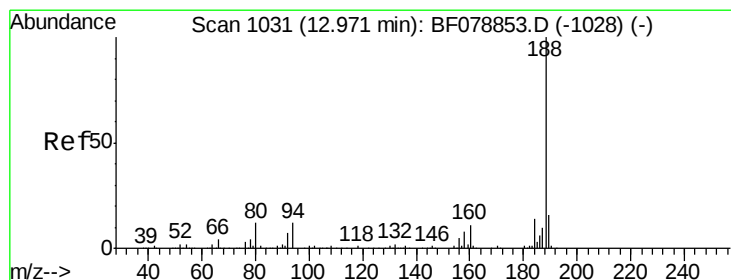
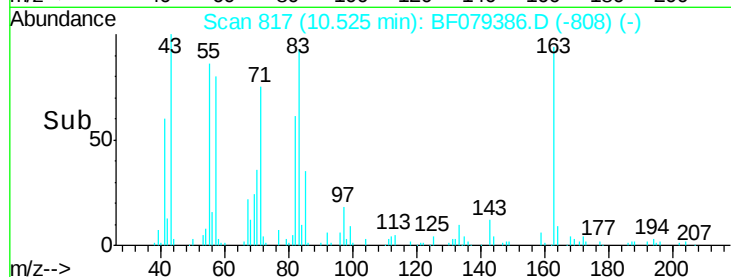
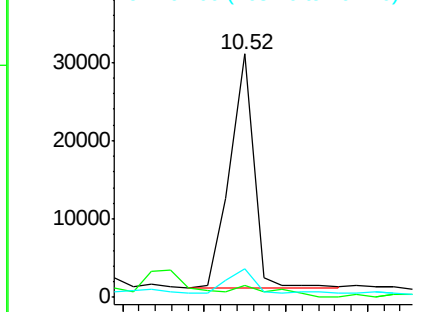
#49
Dimethylphthalate
Concen: 3.09 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Tgt Ion:163 Resp: 30684
Ion Ratio Lower Upper
163 100
194 5.1 2.4 3.6#
164 12.0 8.6 12.8

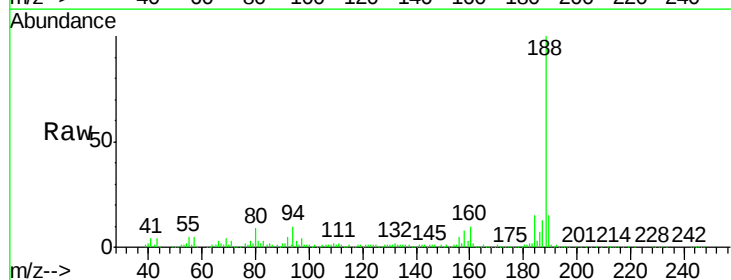


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

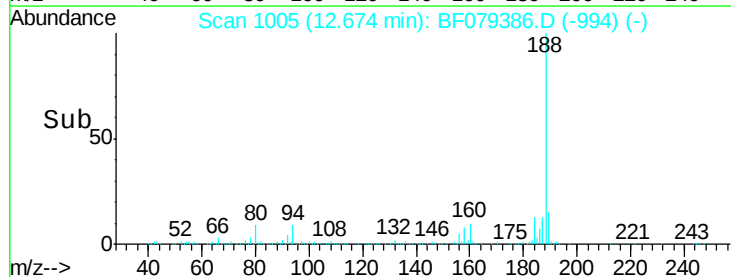
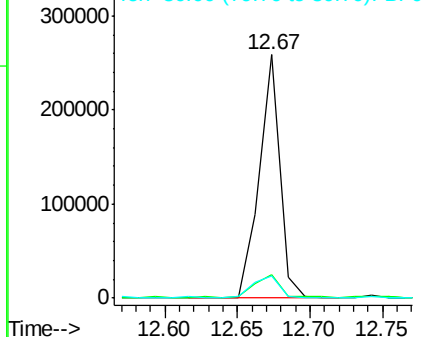


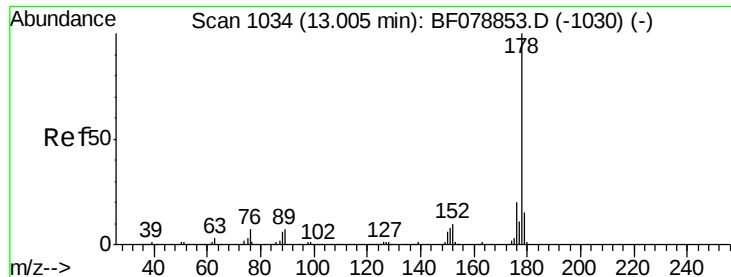
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079386.D
Acq: 20 May 2015 19:00

Tgt Ion:188 Resp: 257293
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.0
80 8.9 9.8 14.6#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.25 ng

RT: 12.70 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

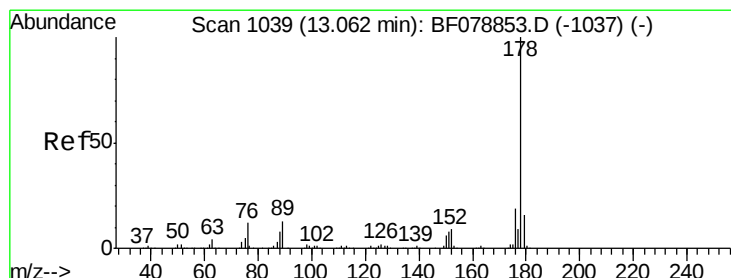
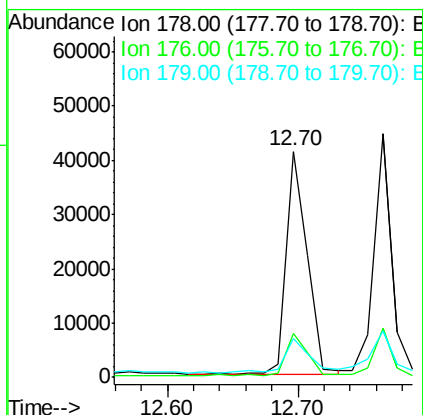
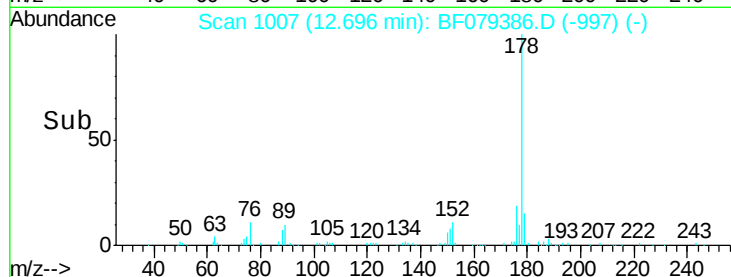
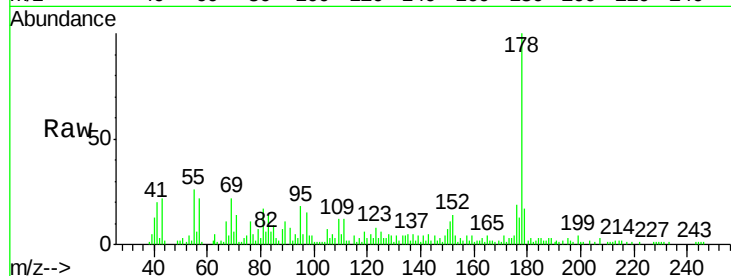
Tgt Ion:178 Resp: 46717

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

179 17.4 12.2 18.4



#71

Anthracene

Concen: 3.20 ng

RT: 12.70 min Scan# 1007

Delta R.T. -0.07 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

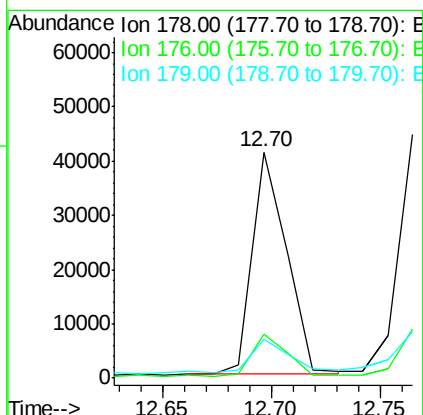
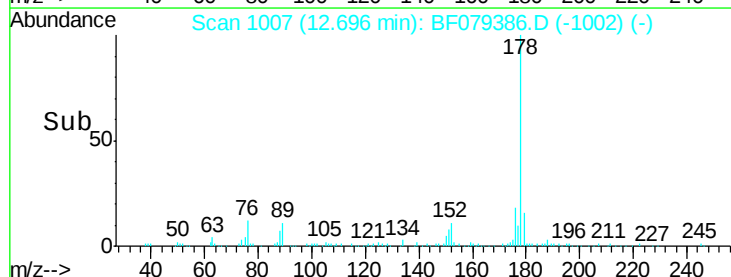
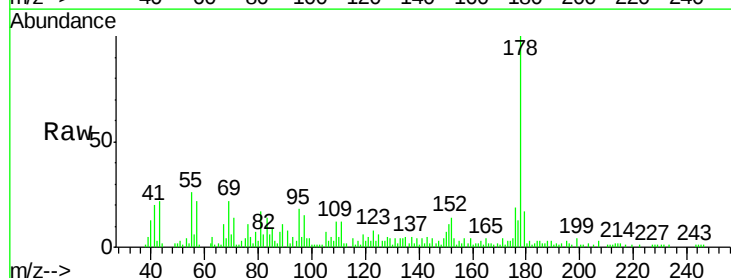
Tgt Ion:178 Resp: 45181

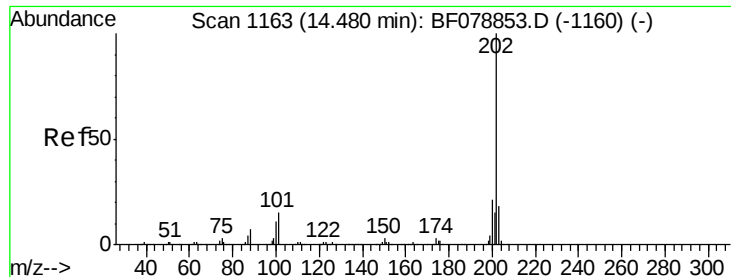
Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 17.4 12.6 19.0





#74

Fluoranthene

Concen: 6.87 ng

RT: 14.17 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

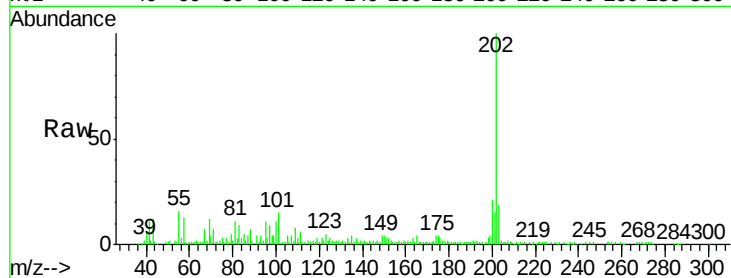
Tgt Ion:202 Resp: 103110

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.7

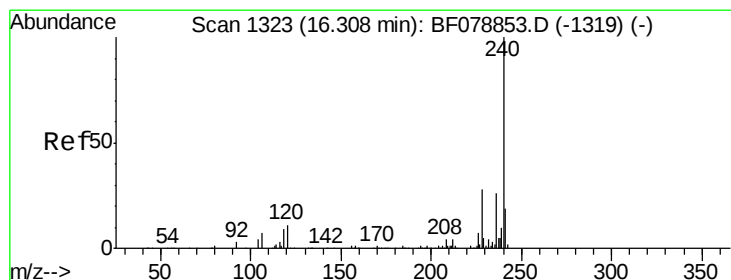
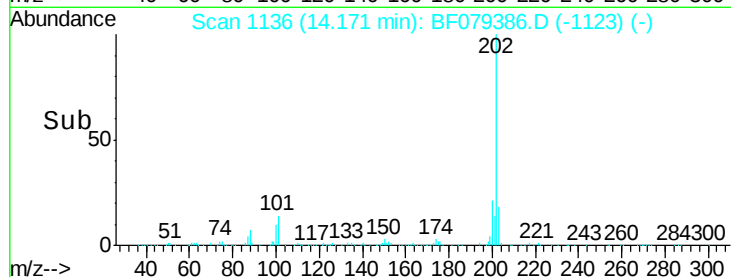
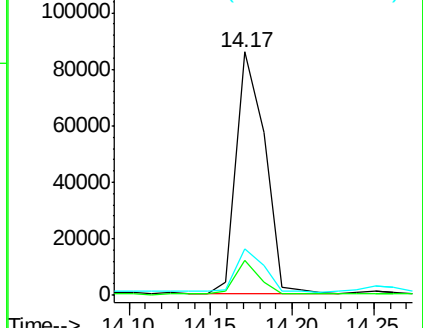
203 19.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

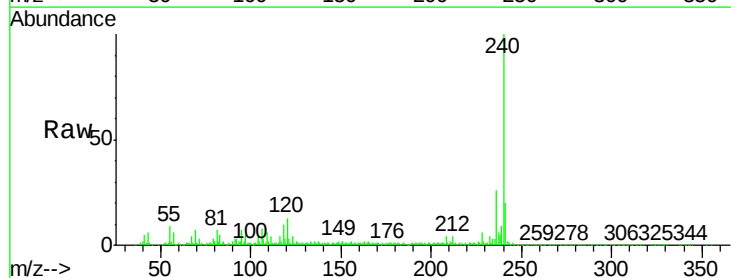
Tgt Ion:240 Resp: 276342

Ion Ratio Lower Upper

240 100

120 12.9 8.6 12.8#

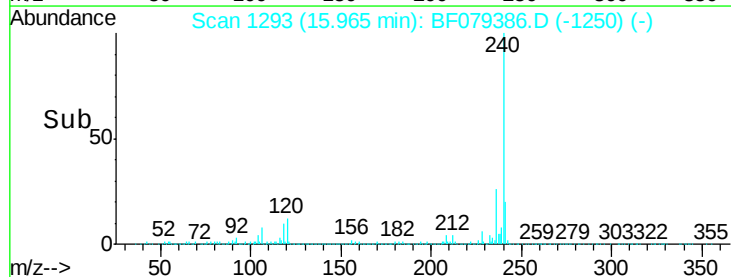
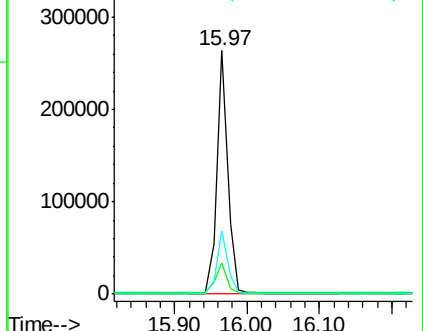
236 26.2 21.0 31.6

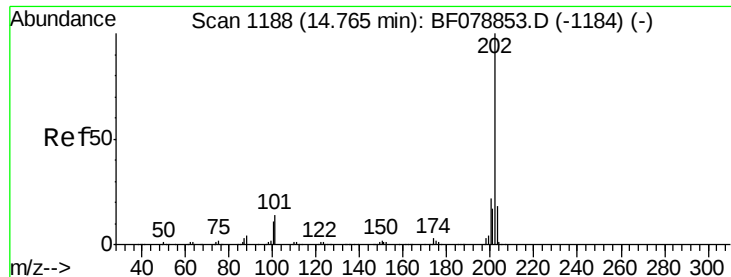


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

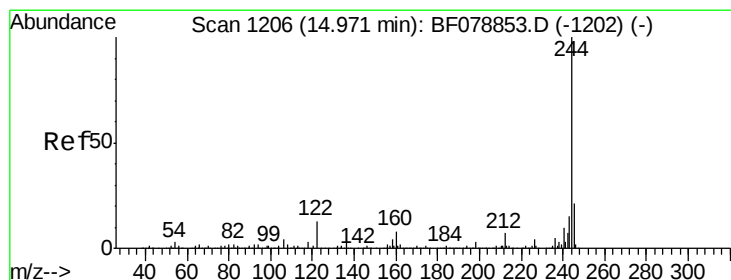
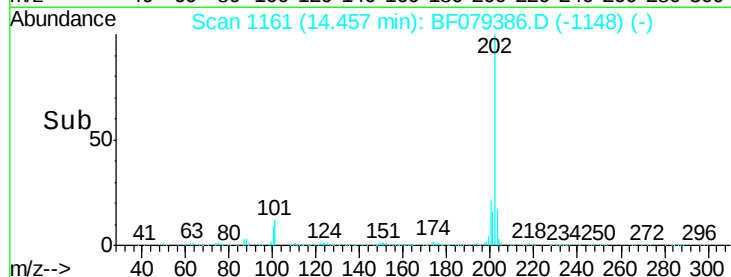
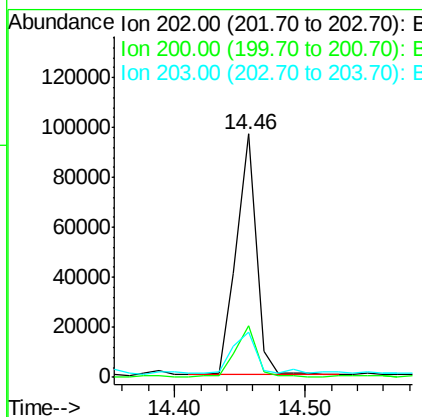
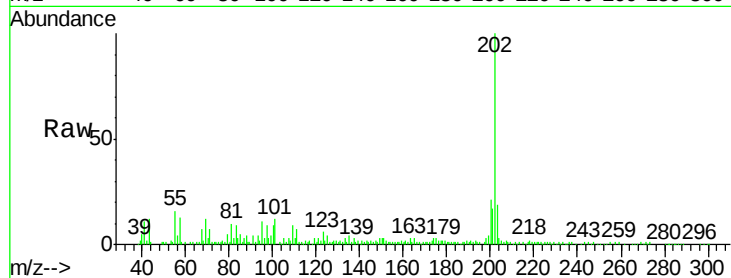




#77
 Pyrene
 Concen: 6.46 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

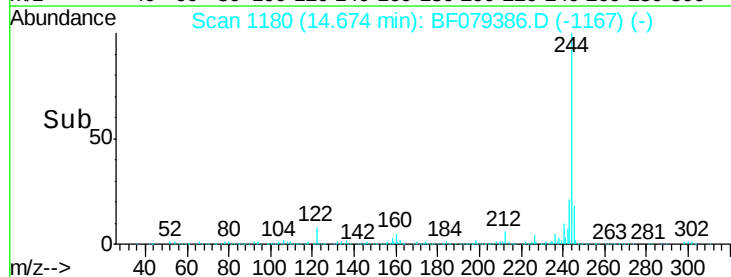
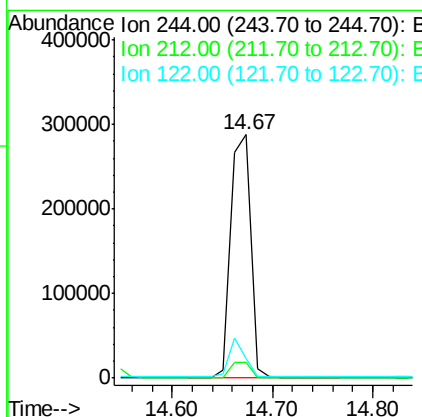
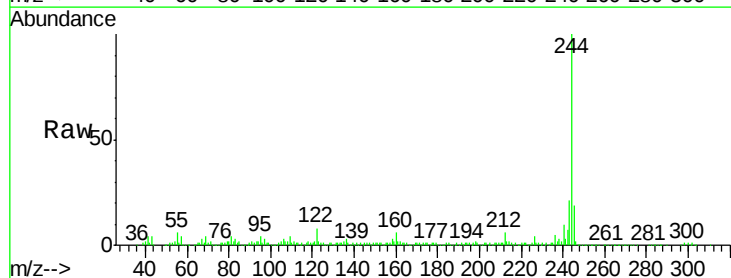
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB03A(2.5-3.0)

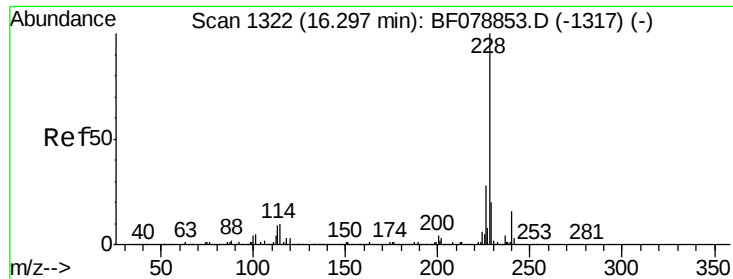
Tgt Ion: 202 Resp: 102906
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.5 26.3
 203 18.8 14.7 22.1



#78
 Terphenyl-d14
 Concen: 34.69 ng
 RT: 14.67 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF079386.D
 Acq: 20 May 2015 19:00

Tgt Ion: 244 Resp: 400418
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 8.3 10.5 15.7#





#80

Benzo(a)anthracene

Concen: 4.40 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

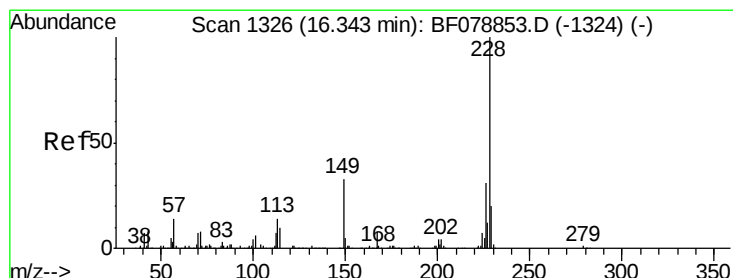
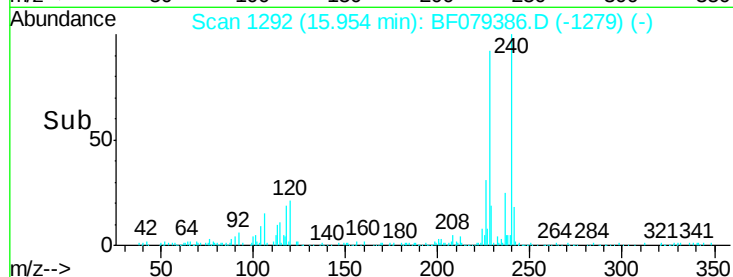
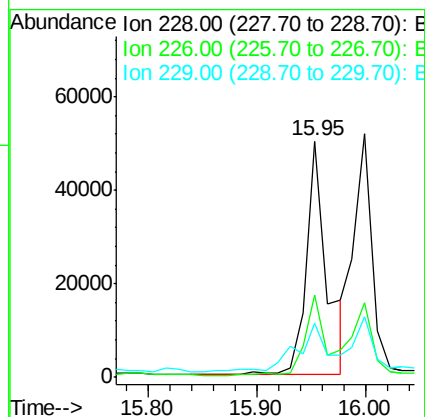
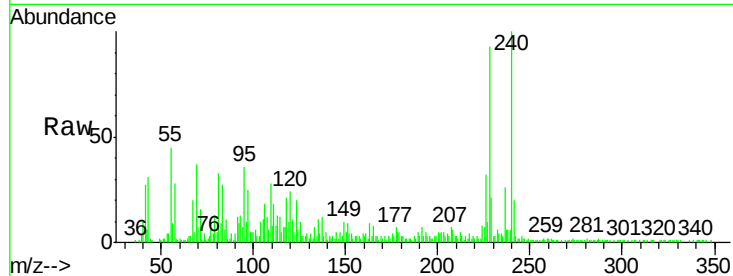
Tgt Ion:228 Resp: 66655

Ion Ratio Lower Upper

228 100

226 34.9 22.3 33.5#

229 22.8 16.1 24.1



#82

Chrysene

Concen: 4.55 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.06 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

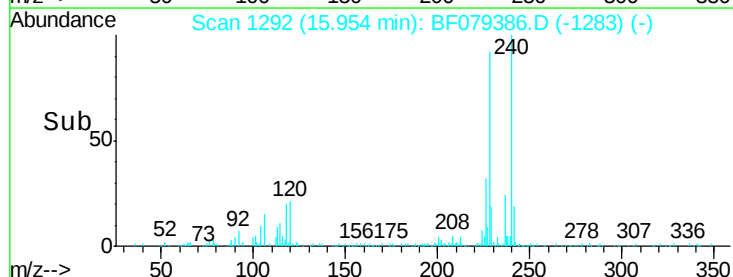
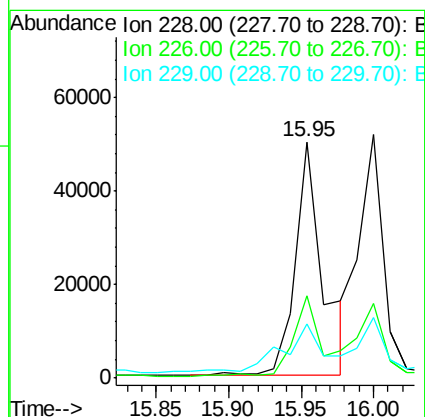
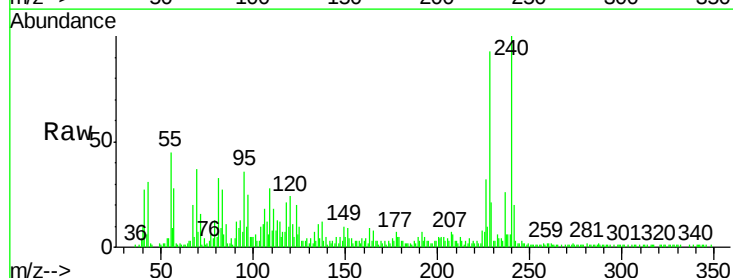
Tgt Ion:228 Resp: 66224

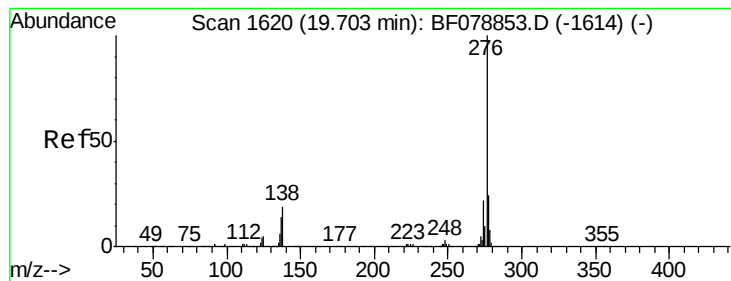
Ion Ratio Lower Upper

228 100

226 34.9 24.8 37.2

229 22.8 16.1 24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.66 ng

RT: 19.13 min Scan# 1570

Delta R.T. -0.08 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

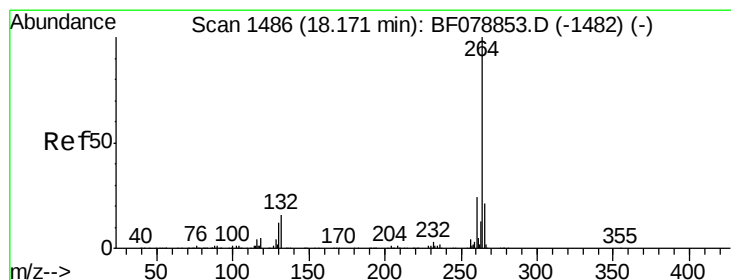
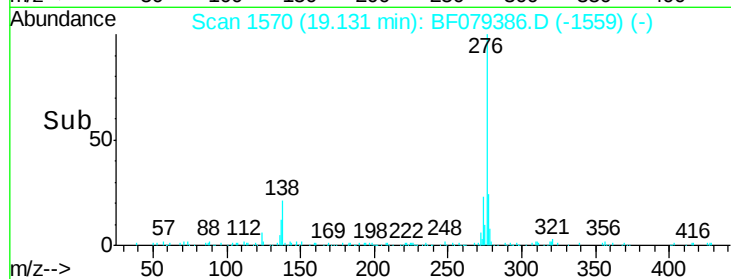
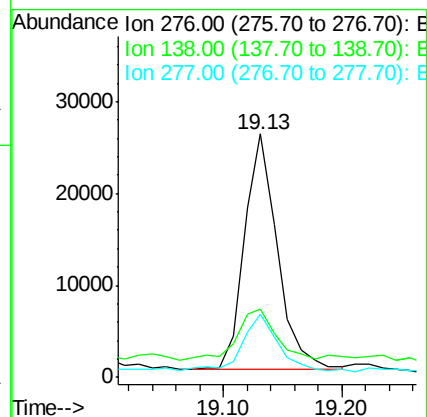
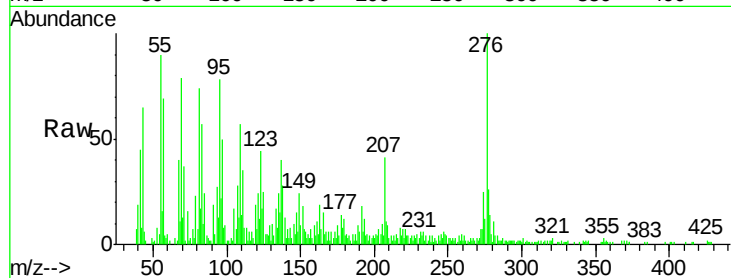
Tgt Ion:276 Resp: 49409

Ion Ratio Lower Upper

276 100

138 25.2 21.1 31.7

277 27.0 19.9 29.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.06 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

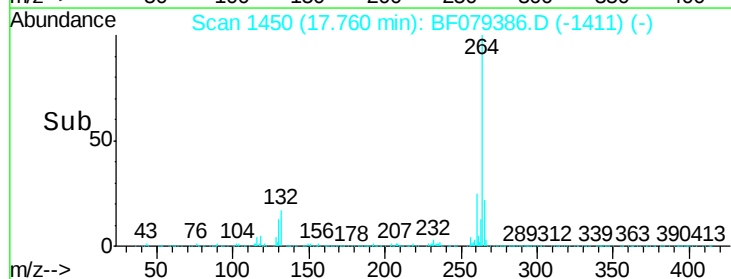
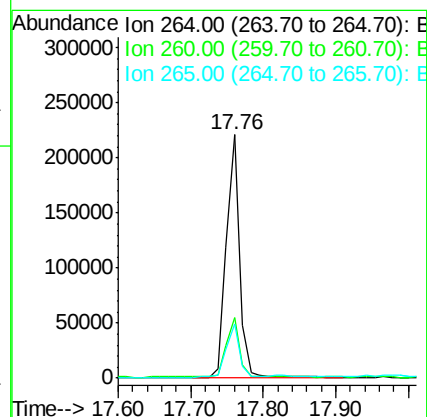
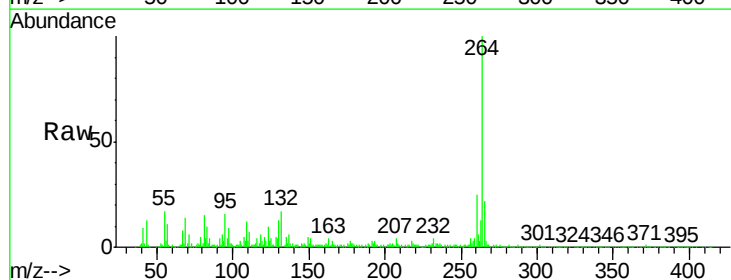
Tgt Ion:264 Resp: 279446

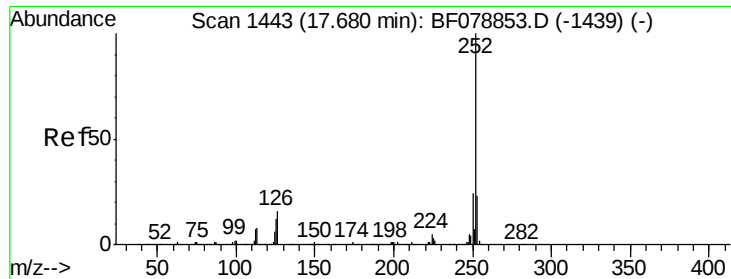
Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 8.58 ng

RT: 17.29 min Scan# 1409

Delta R.T. -0.05 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

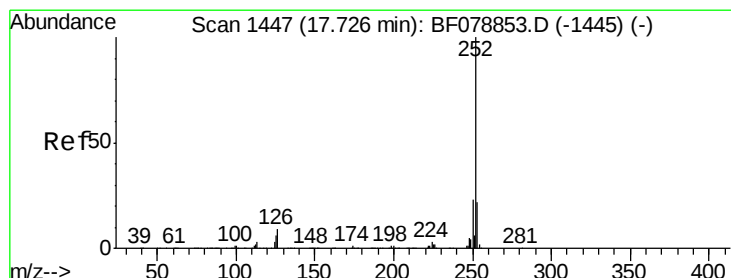
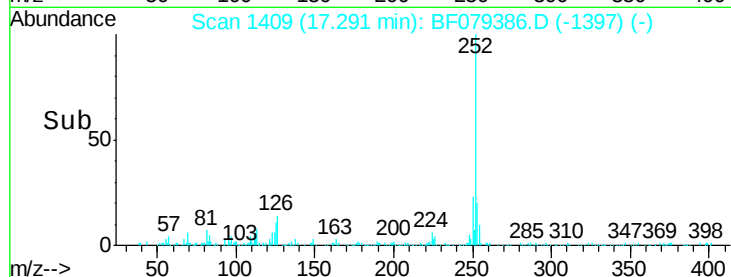
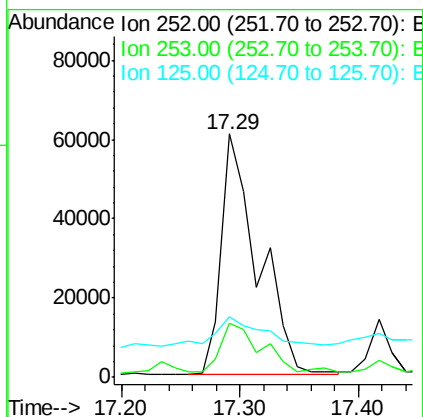
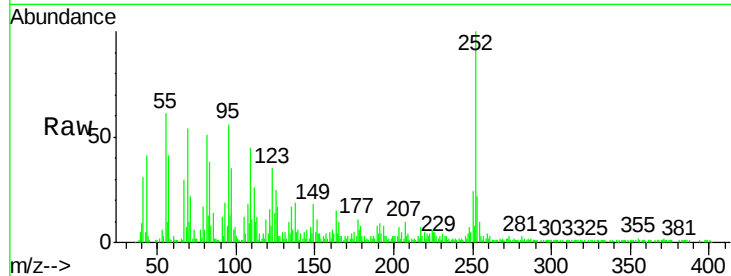
Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

Tgt Ion:	252	Resp:	131305
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	24.9	9.4	14.2#



#88

Benzo(k)fluoranthene

Concen: 8.87 ng

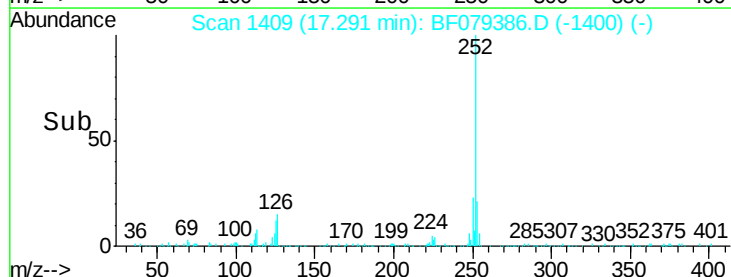
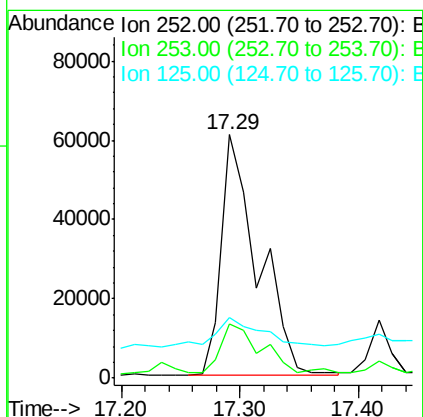
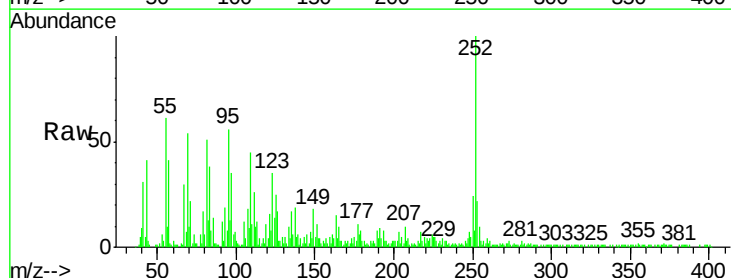
RT: 17.29 min Scan# 1409

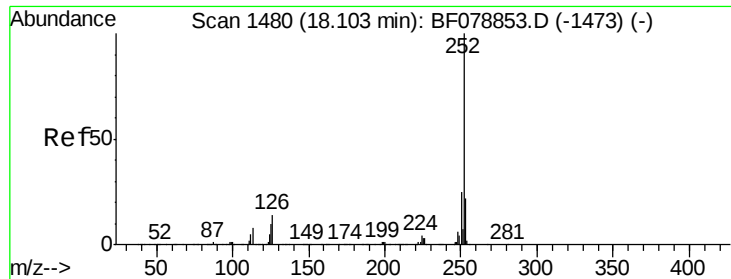
Delta R.T. -0.08 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion:	252	Resp:	131305
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	24.9	6.1	9.1#





#89

Benzo(a)pyrene

Concen: 3.90 ng

RT: 17.69 min Scan# 1444

Delta R.T. -0.06 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

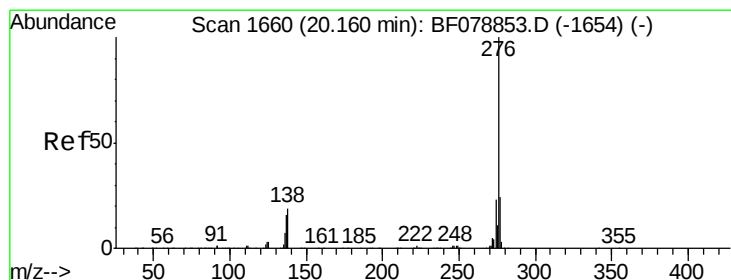
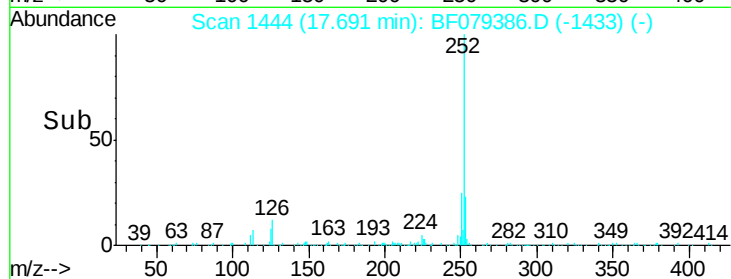
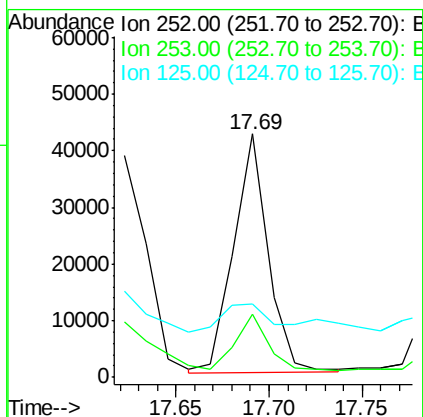
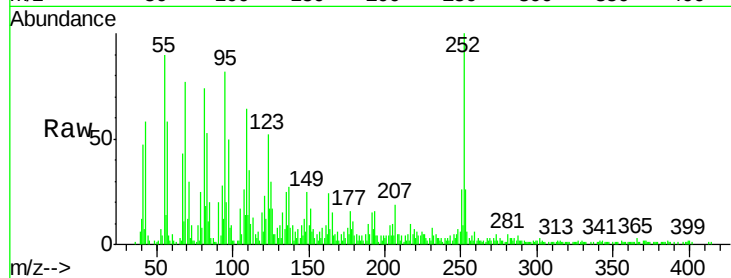
Instrument :

BNA_F

ClientSampleId :

LS-SB03A(2.5-3.0)

Tgt Ion:	252	Resp:	54897
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.0	27.0
125	30.1	8.2	12.2#



#91

Benzo(g,h,i)perylene

Concen: 3.24 ng

RT: 19.53 min Scan# 1605

Delta R.T. -0.08 min

Lab File: BF079386.D

Acq: 20 May 2015 19:00

Tgt Ion:	276	Resp:	48561
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	26.9	15.2	22.8#

