

Data File : BF100704.D
Acq On : 18 Nov 2017 5:05
Operator : SJ/JU
Sample : I6343-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HL-12A

Quant Time: Nov 18 05:33:29 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	109934	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	405927	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	160799	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	243943	20.00	ng	0.00
75) Chrysene-d12	14.04	240	240565	20.00	ng	0.00
86) Perylene-d12	15.52	264	199781	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	684338	99.79	ng	0.02
7) Phenol-d6	6.51	99	819924	96.95	ng	0.00
23) Nitrobenzene-d5	7.45	82	497453	81.02	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	141105	86.12	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	770510	72.96	ng	0.00
78) Terphenyl-d14	12.99	244	493355	47.12	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	28438	3.20	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	64870	11.06	ng	# 81
25) Isophorone	7.45	82	497448	38.55	ng	# 64
32) Benzoic acid	7.85	122	125	9.39	ng	# 1
47) 2-Nitroaniline	9.63	65	1280	3.19	ng	# 1
49) Dimethylphthalate	9.63	163	154975	12.62	ng	99
56) 2,4-Dinitrotoluene	9.92	165	20239	6.60	ng	# 23
62) Azobenzene	10.63	77	136131	11.76	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	248	8.74	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8740	3.34	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.01	149	20139	2.19	ng	100
87) Benzo(b)fluoranthene	15.08	252	25193	2.13	ng	# 90
88) Benzo(k)fluoranthene	15.08	252	25193	2.25	ng	# 93

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

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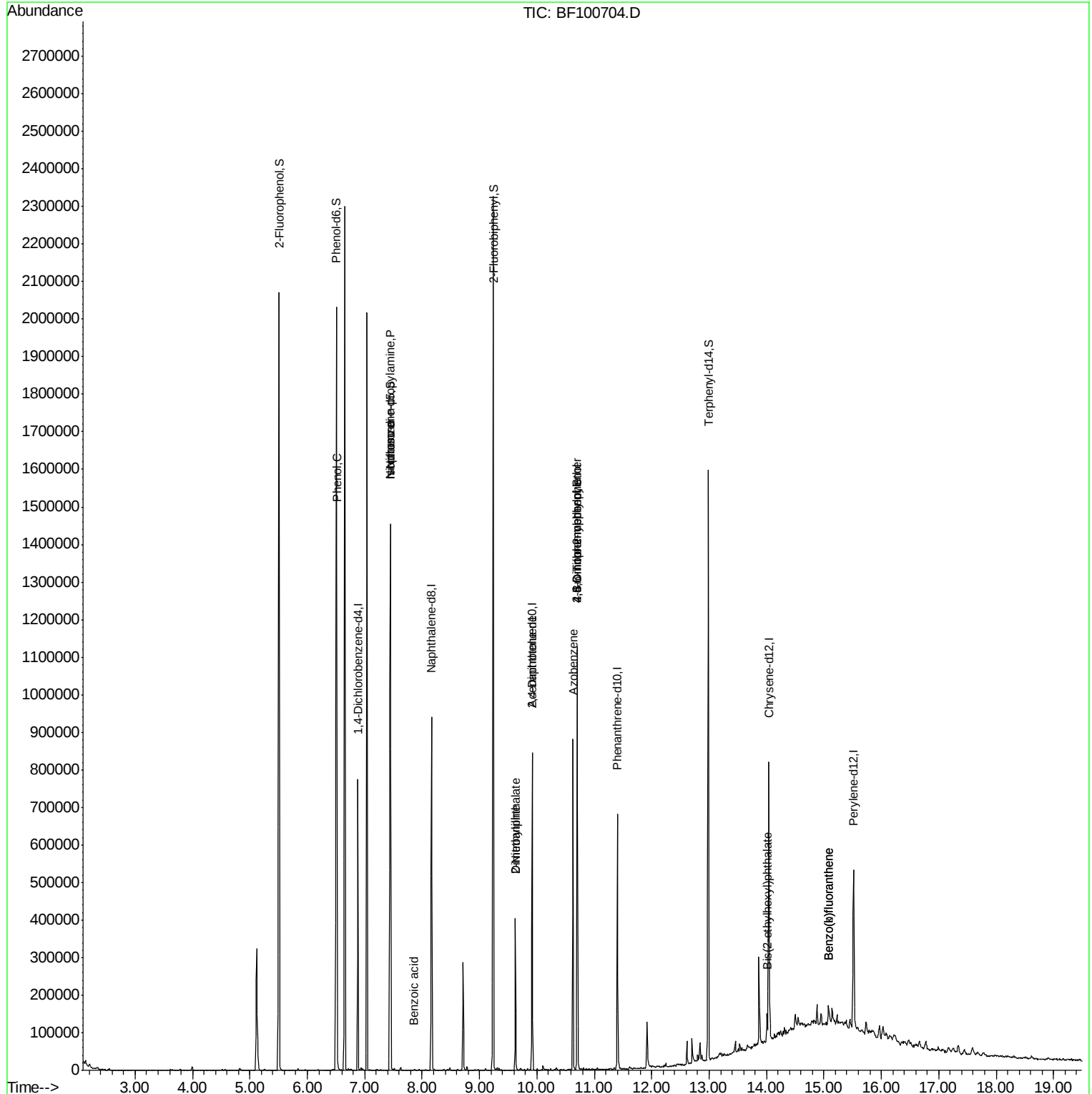
Quant Time: Nov 18 05:33:29 2017

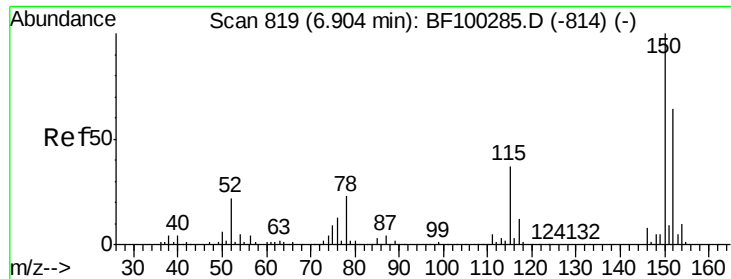
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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Response via : Initial Calibration

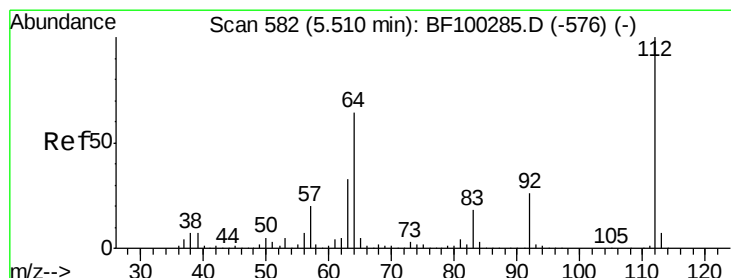
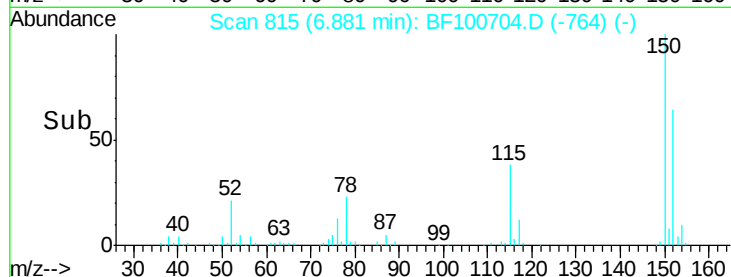
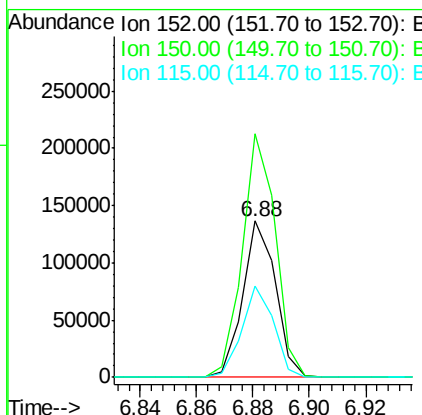
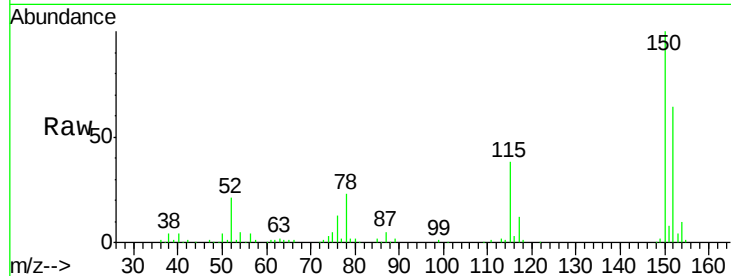




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

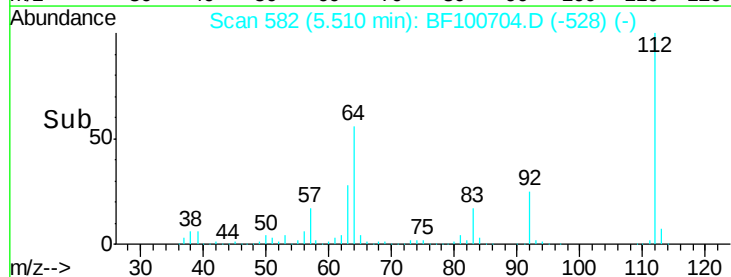
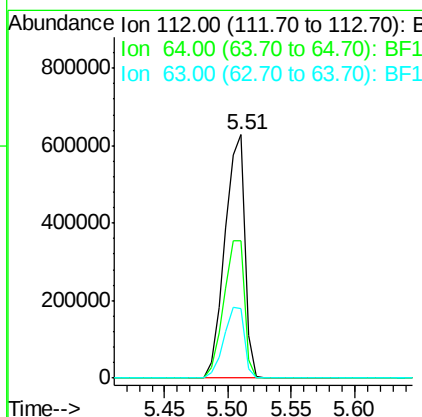
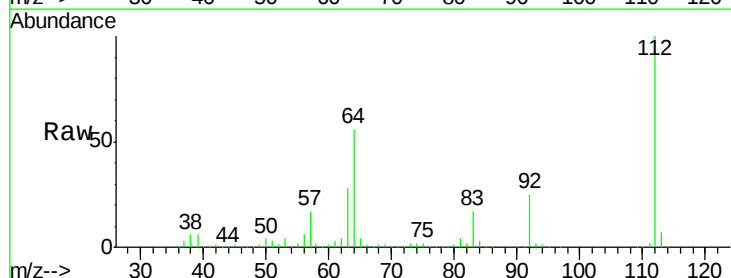
Instrument :
 BNA_F
 ClientSampleId :
 HL-12A

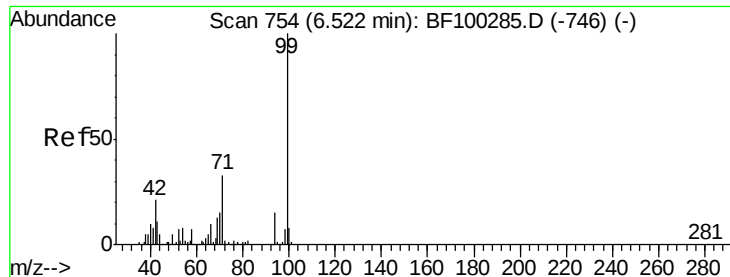
Tgt Ion:152 Resp: 109934
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.6 186.8
 115 58.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 99.79 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

Tgt Ion:112 Resp: 684338
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 96.95 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA_F

ClientSampleId :

HL-12A

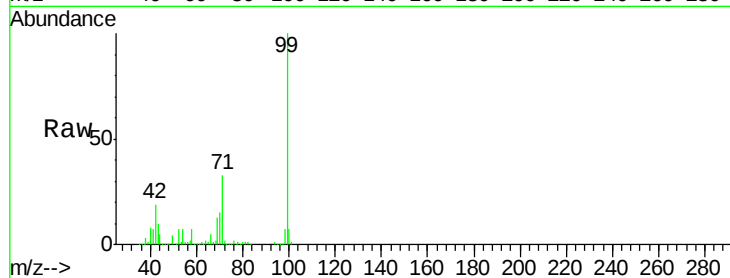
Tgt Ion: 99 Resp: 819924

Ion Ratio Lower Upper

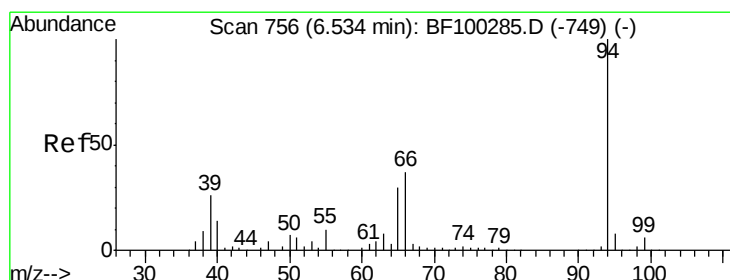
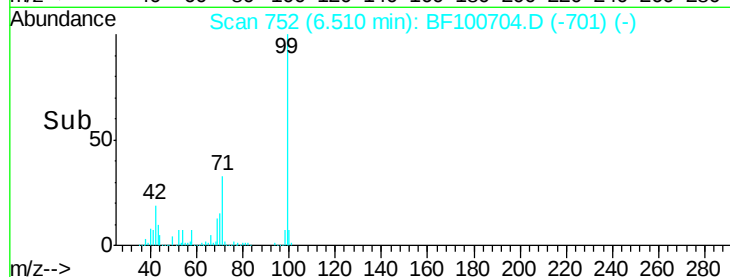
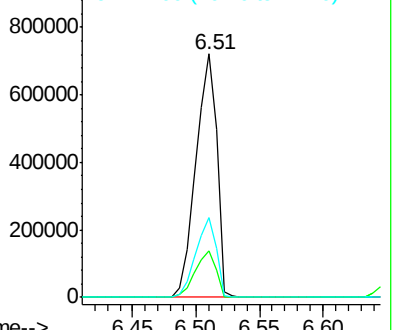
99 100

42 19.4 14.5 21.7

71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.20 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

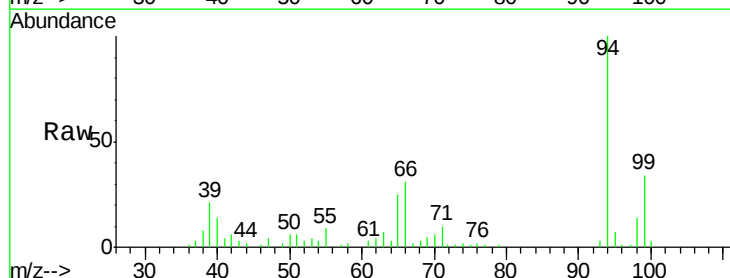
Tgt Ion: 94 Resp: 28438

Ion Ratio Lower Upper

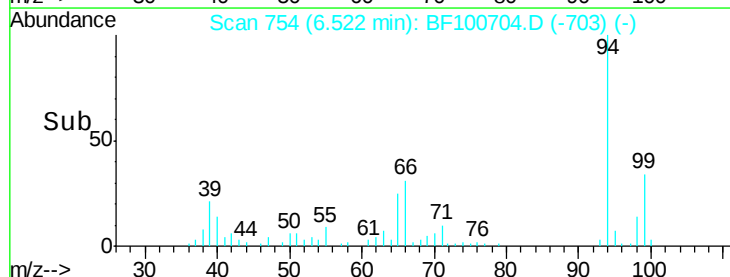
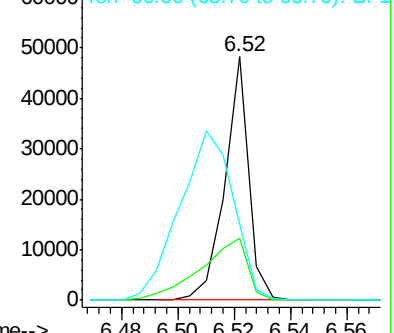
94 100

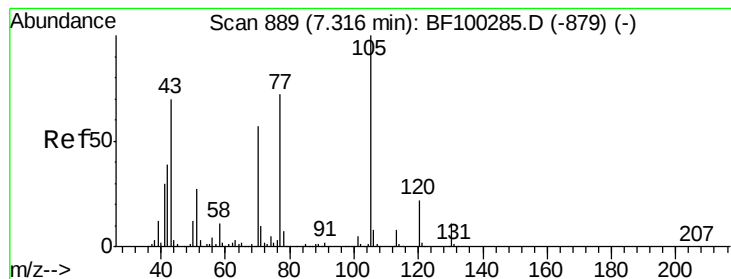
65 25.1 7.9 47.9

66 31.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.06 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA_F

ClientSampleId :

HL-12A

Tgt Ion: 70 Resp: 64870

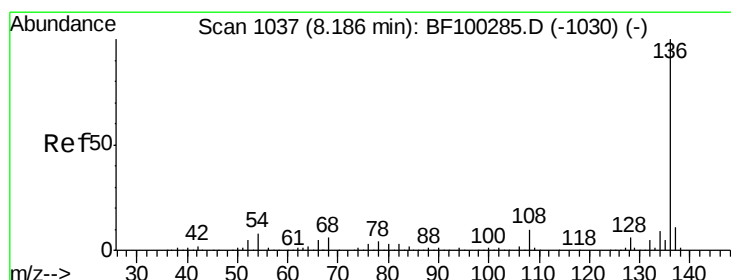
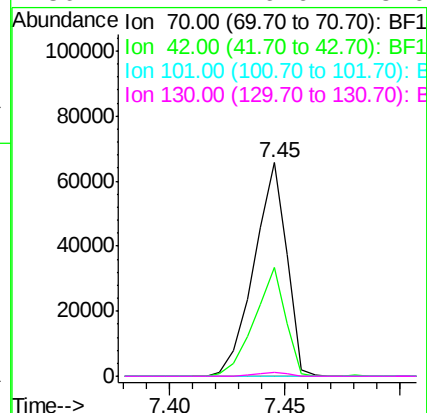
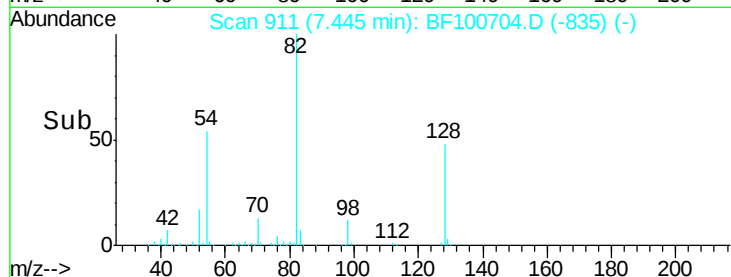
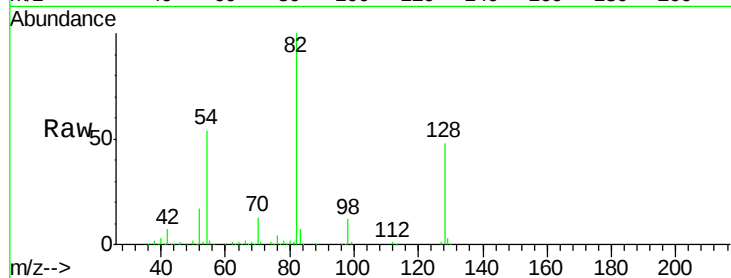
Ion Ratio Lower Upper

70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Tgt Ion: 136 Resp: 405927

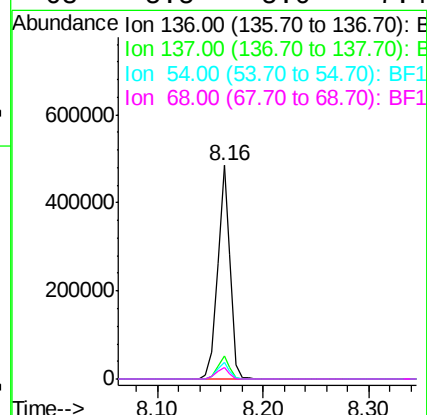
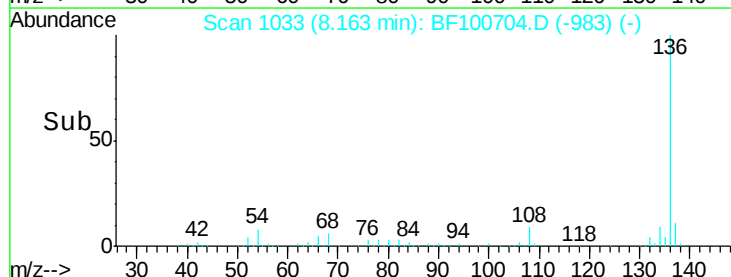
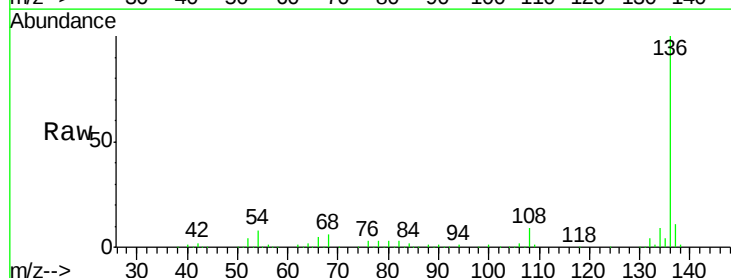
Ion Ratio Lower Upper

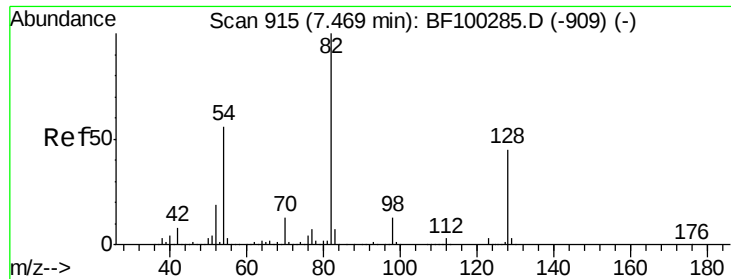
136 100

137 10.6 8.9 13.3

54 8.1 6.6 9.8

68 5.5 5.0 7.4

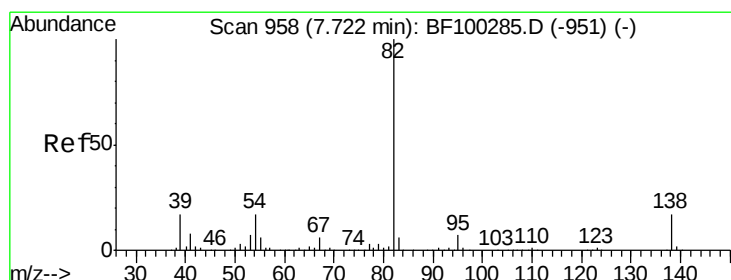
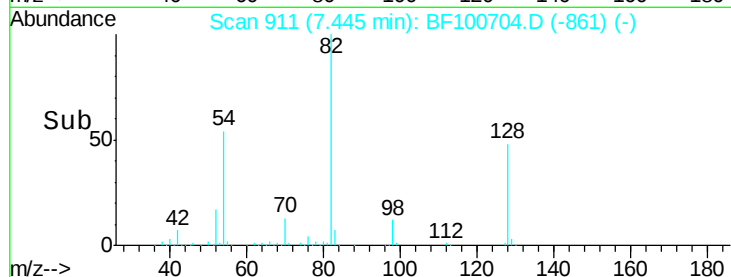
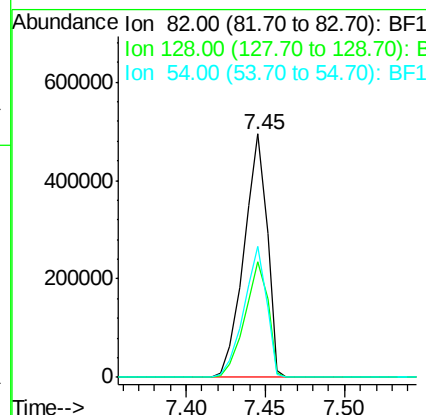
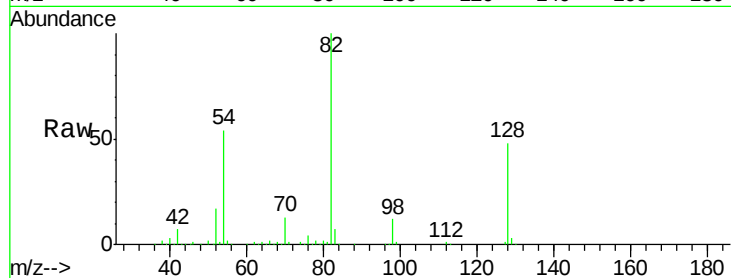




#23
Nitrobenzene-d5
Concen: 81.02 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

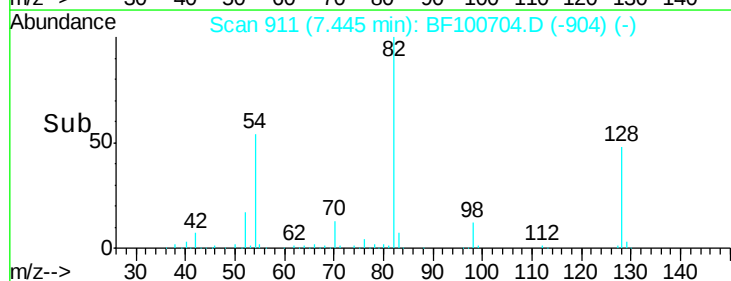
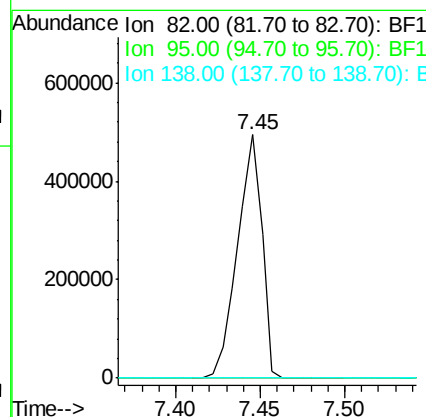
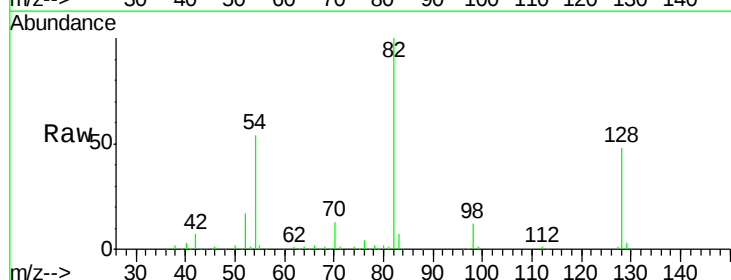
Instrument :
BNA_F
ClientSampleId :
HL-12A

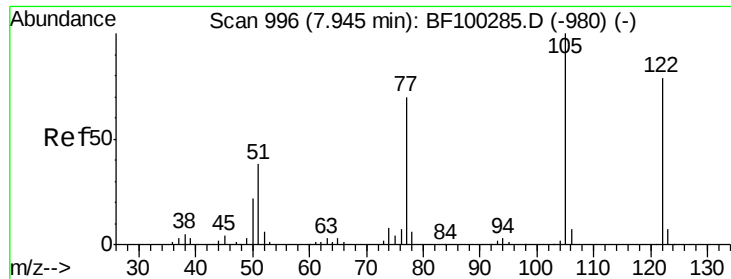
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	53.8	41.4	62.2



#25
Isophorone
Concen: 38.55 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 9.39 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

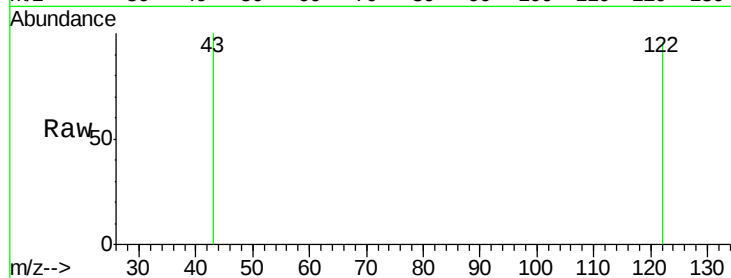
Instrument :

BNA_F

ClientSampleId :

HL-12A

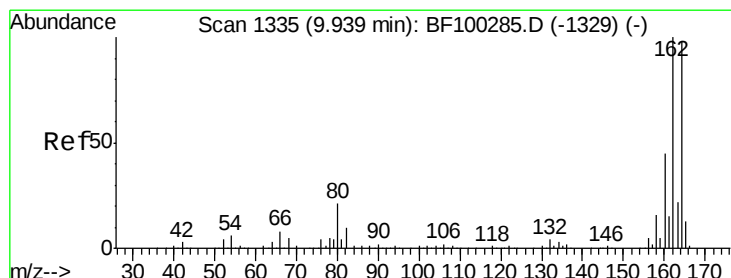
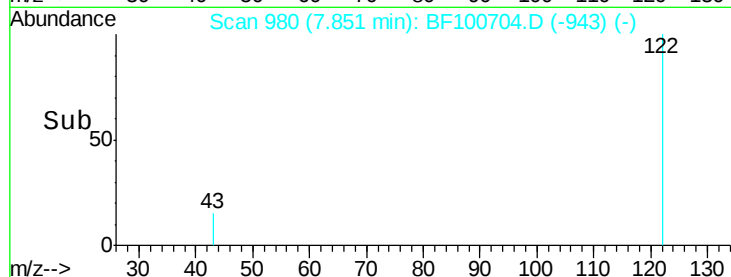
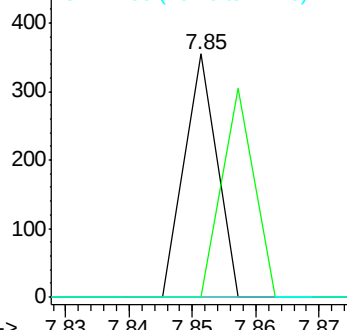
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

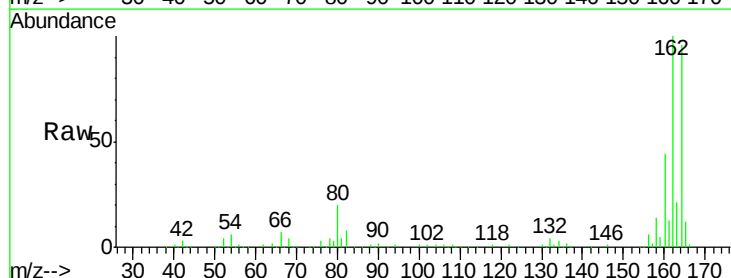
RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

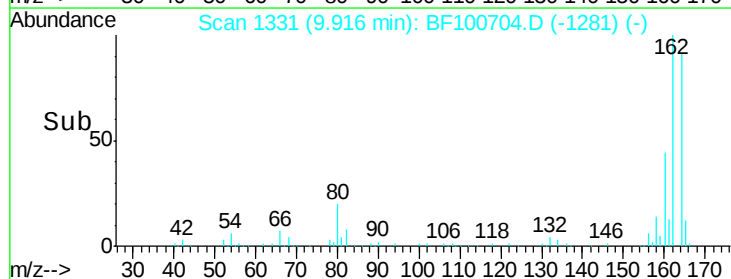
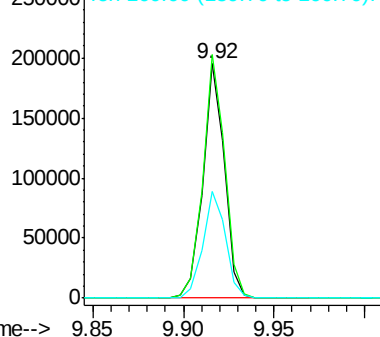
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	45.4	38.3	57.5

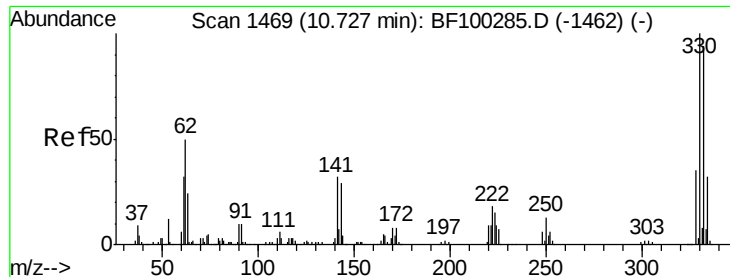


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

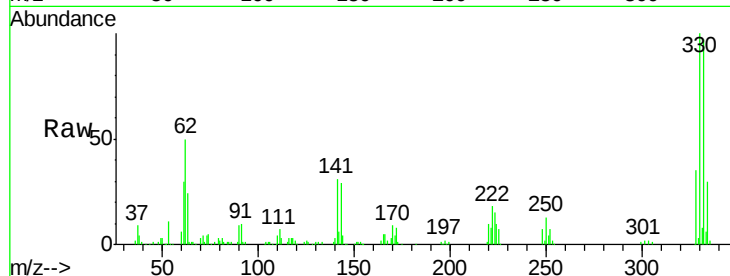




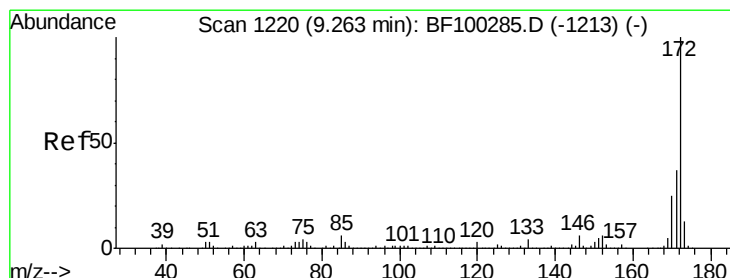
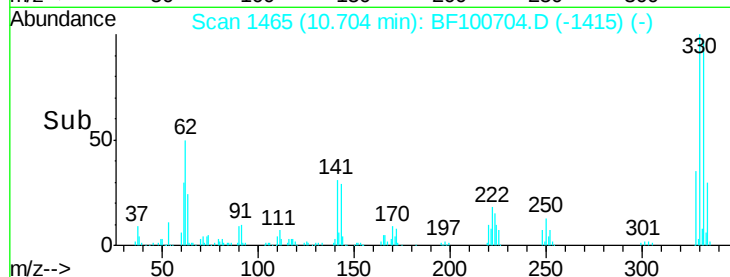
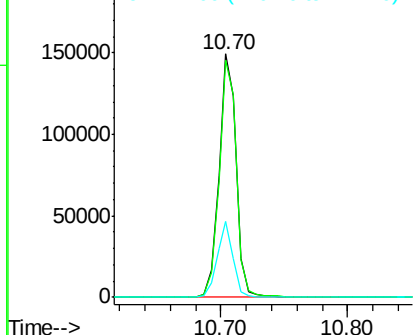
#41
 2,4,6-Tribromophenol
 Concen: 86.12 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

Instrument :
 BNA_F
 ClientSampleId :
 HL-12A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	28.9	29.9	44.9#

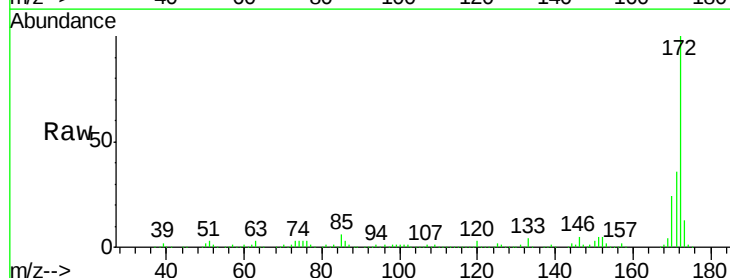


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

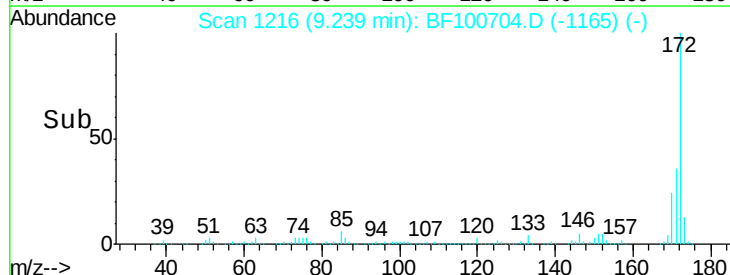
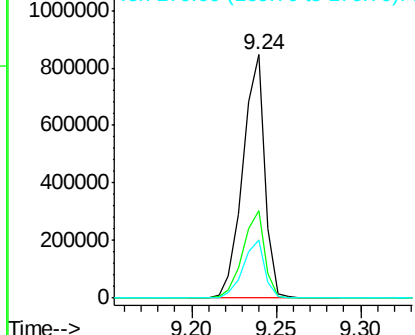


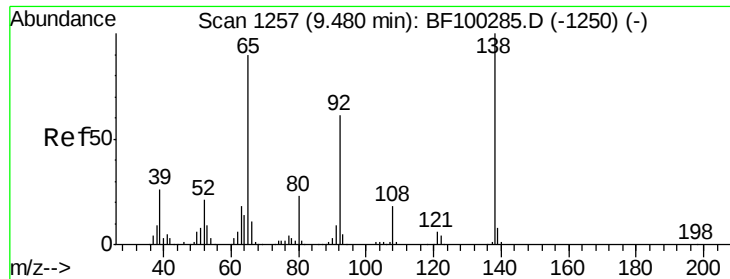
#44
 2-Fluorobiphenyl
 Concen: 72.96 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.19 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA_F

ClientSampleId :

HL-12A

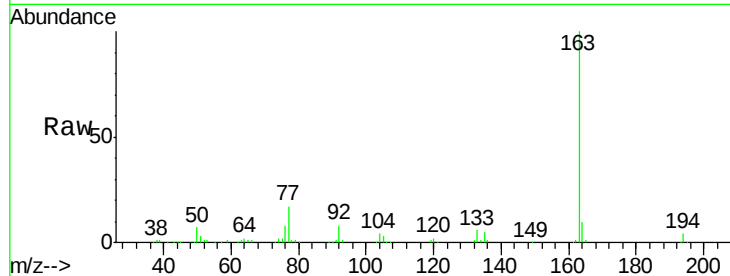
Tgt Ion: 65 Resp: 1280

Ion Ratio Lower Upper

65 100

92 883.7 55.8 83.6#

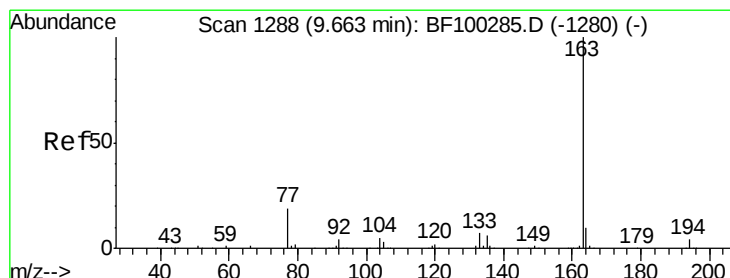
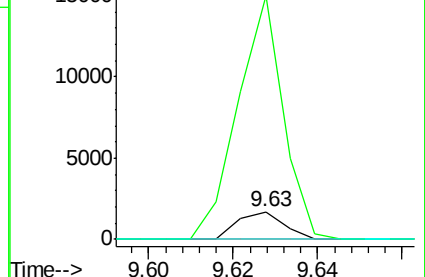
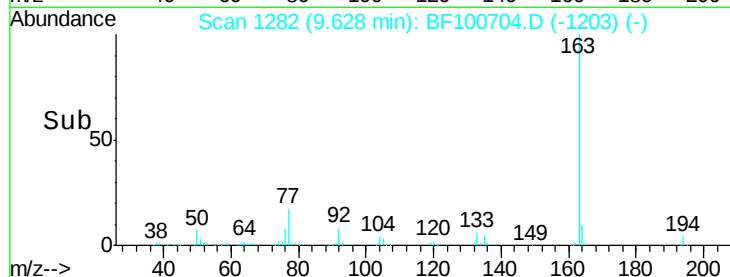
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 12.62 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

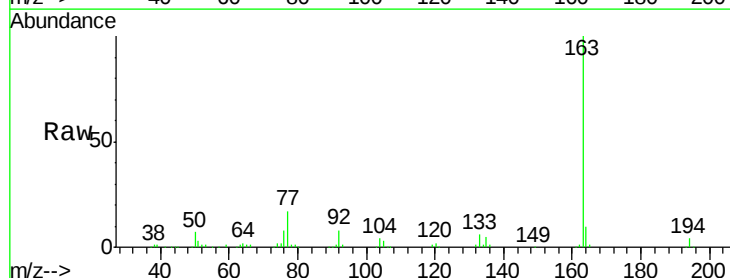
Tgt Ion: 163 Resp: 154975

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

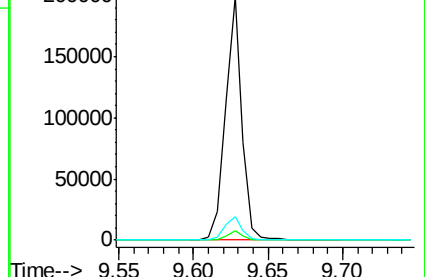
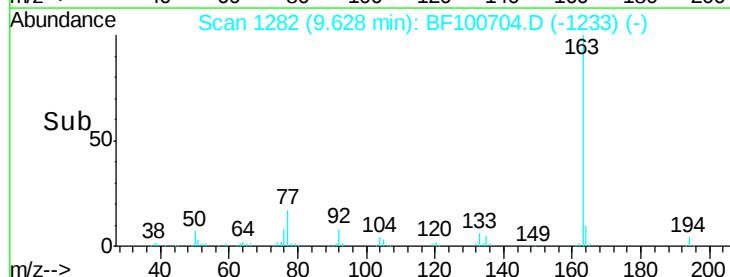
164 9.8 8.2 12.2

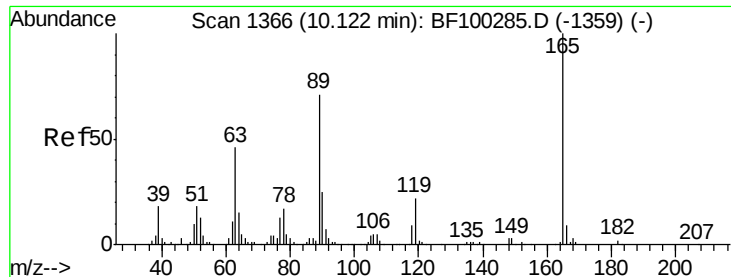


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

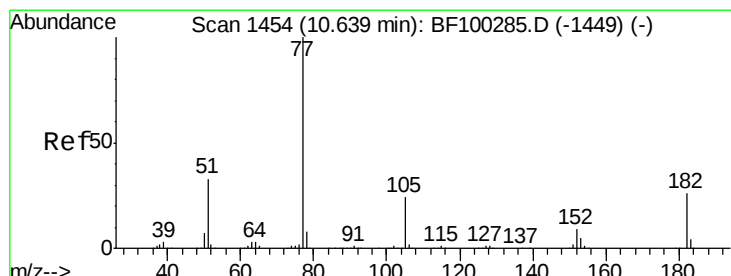
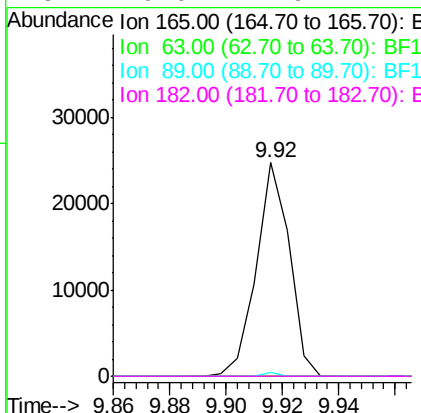
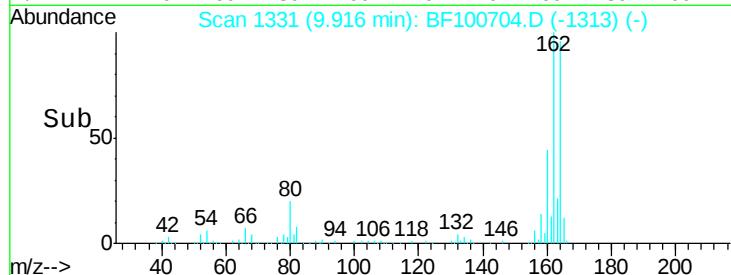
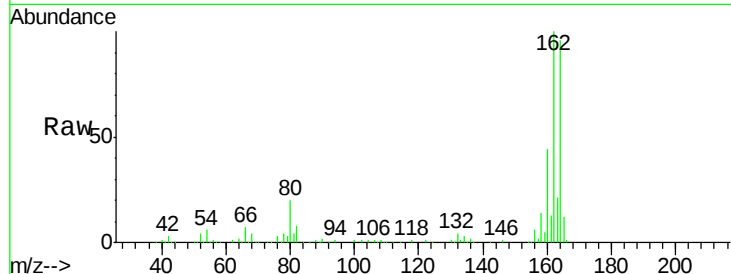




#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

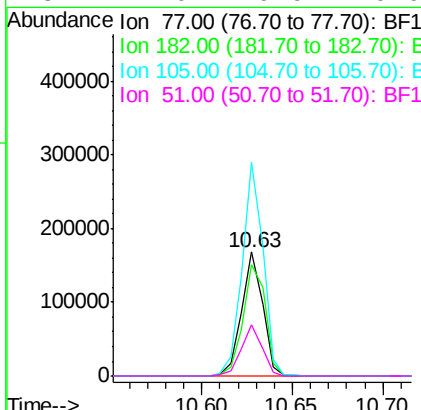
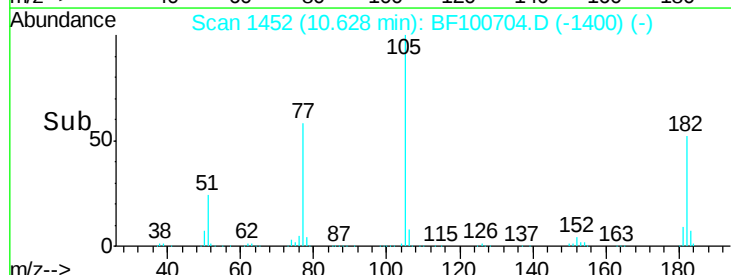
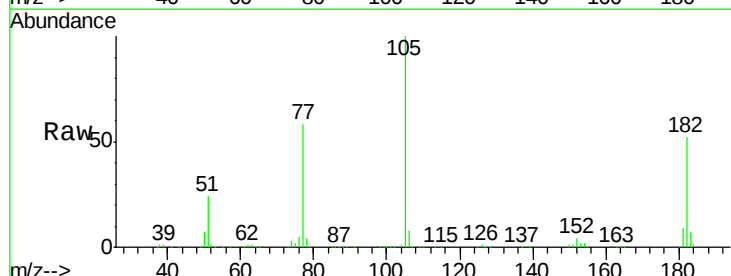
Instrument :
 BNA_F
 ClientSampleId :
 HL-12A

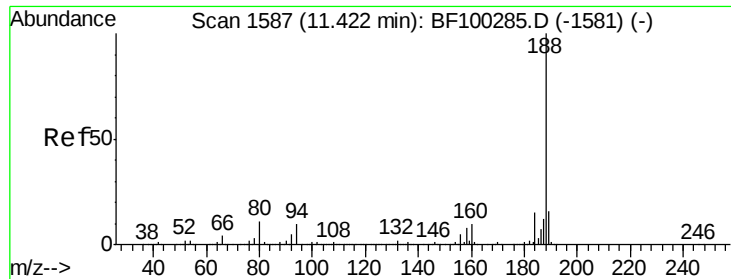
Tgt Ion:	165	Resp:	20239
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 11.76 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100704.D
 Acq: 18 Nov 2017 5:05

Tgt Ion:	77	Resp:	136131
Ion Ratio	Lower	Upper	
77	100		
182	90.3	1.7	41.7#
105	172.4	3.0	43.0#
51	41.0	9.9	49.9

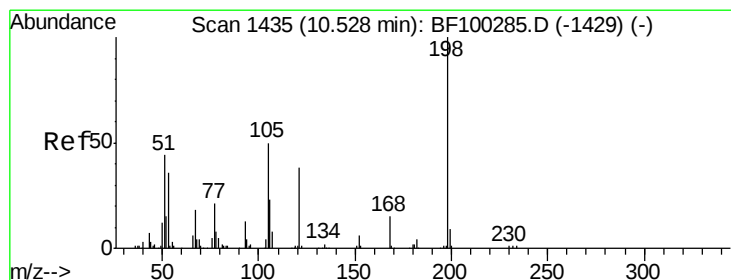
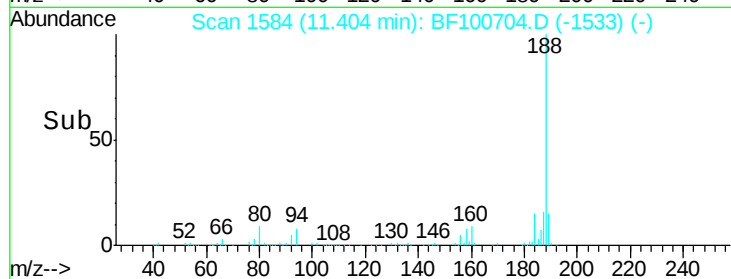
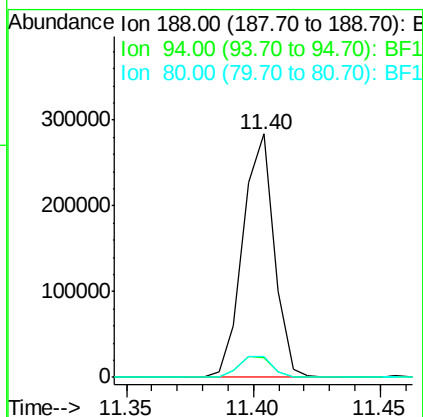
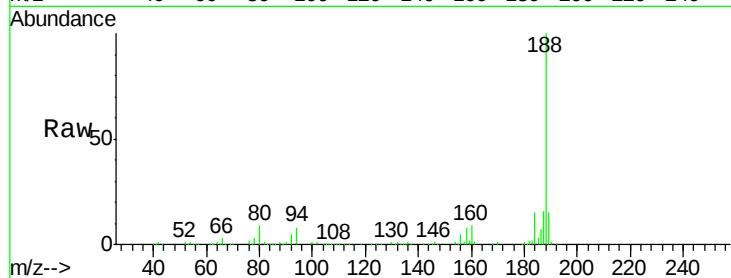




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

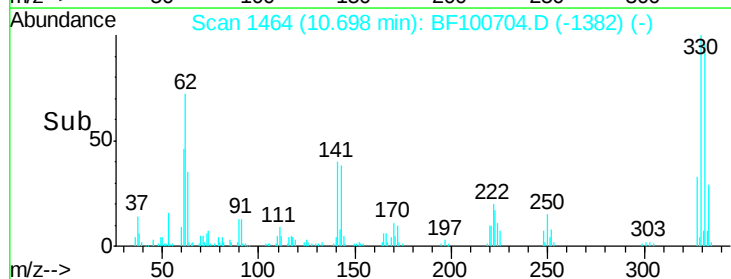
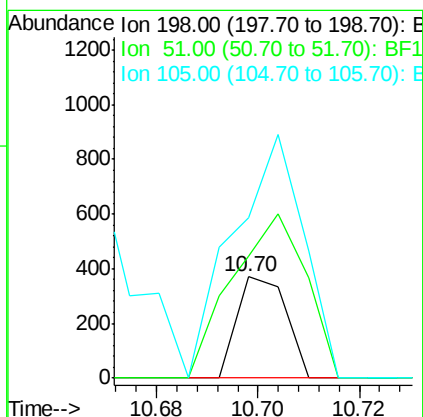
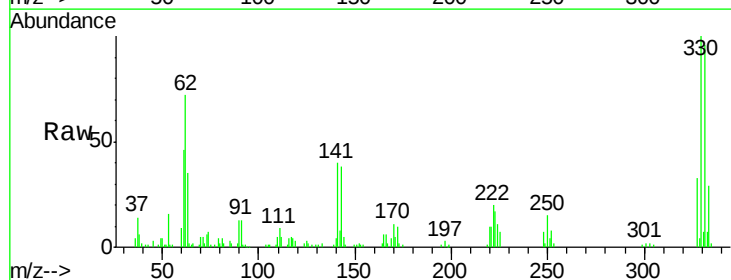
Instrument :
BNA_F
ClientSampleId :
HL-12A

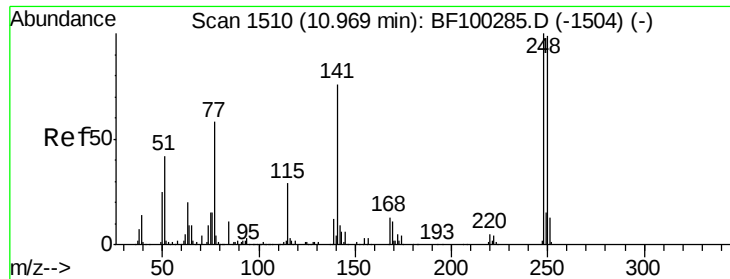
Tgt Ion:188 Resp: 243943
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.5 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.74 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

Tgt Ion:198 Resp: 248
Ion Ratio Lower Upper
198 100
51 120.0 37.7 77.7#
105 158.9 36.3 76.3#

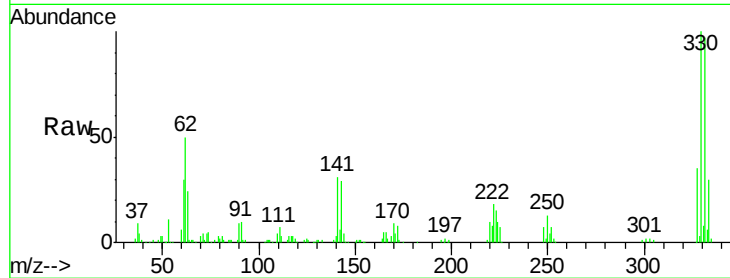




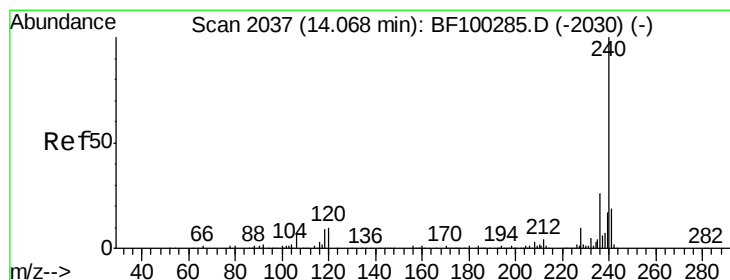
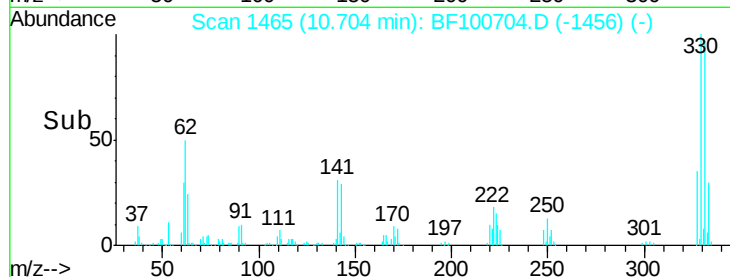
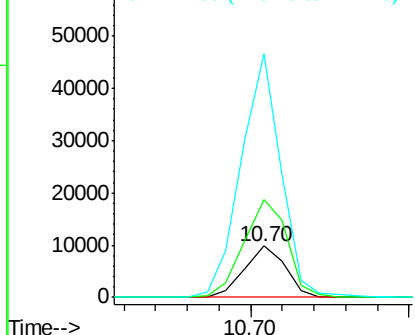
#66
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

Instrument :
BNA_F
ClientSampleId :
HL-12A

Tgt Ion: 248 Resp: 8740
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 475.7 74.4 111.6#

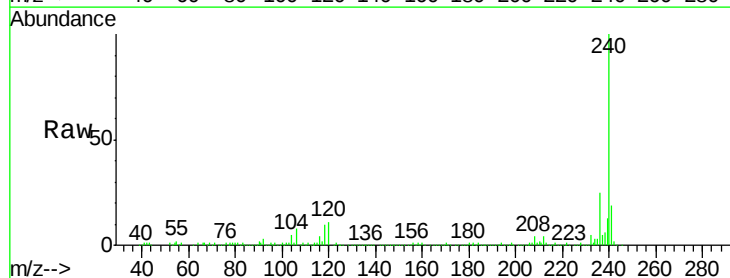


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

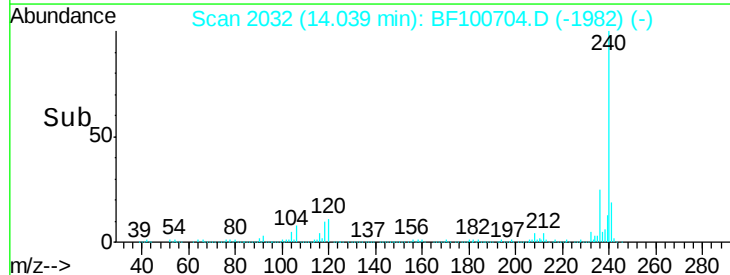
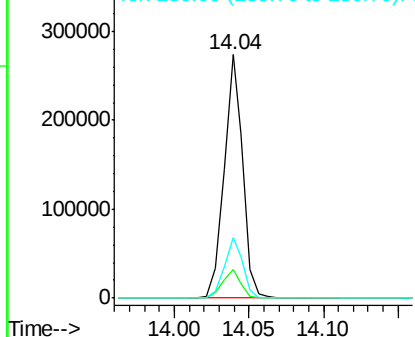


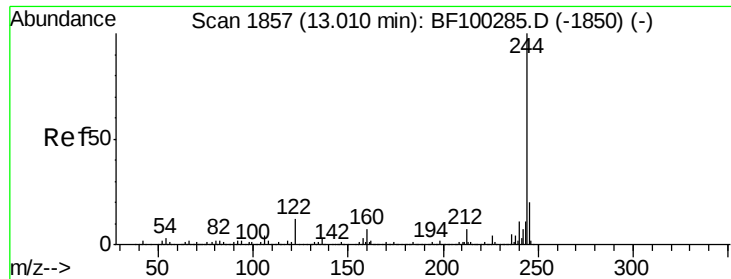
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

Tgt Ion: 240 Resp: 240565
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 25.1 20.7 31.1



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





#78

Terphenyl-d14

Concen: 47.12 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA_F

ClientSampleId :

HL-12A

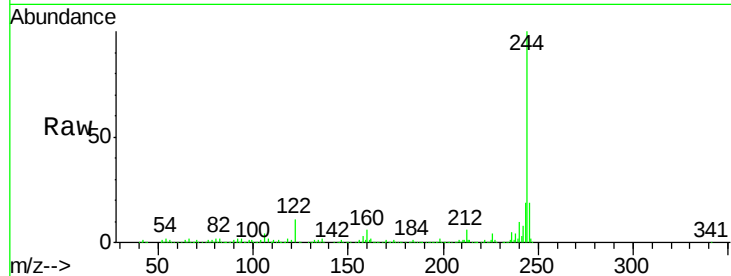
Tgt Ion:244 Resp: 493355

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

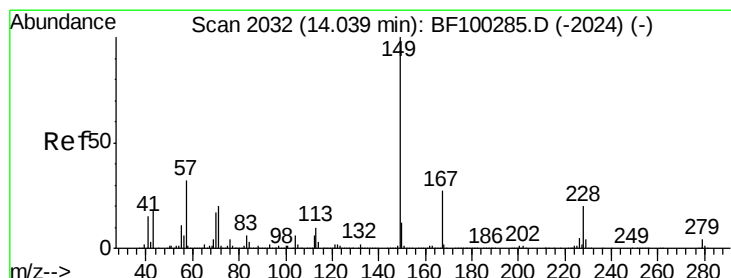
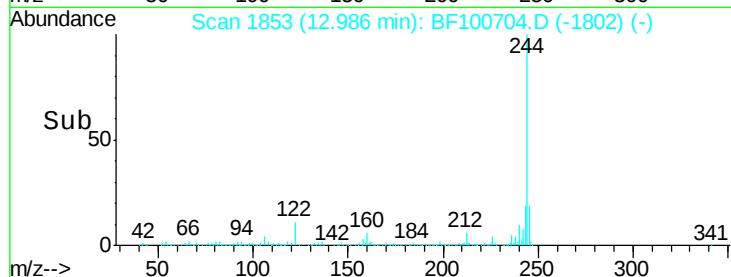
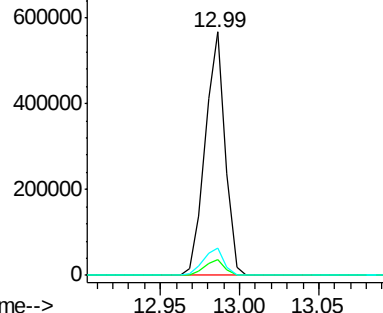
122 11.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.19 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

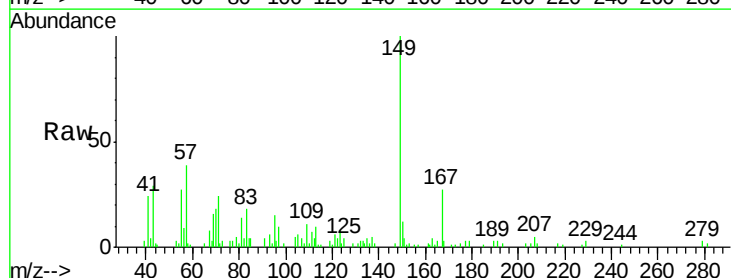
Tgt Ion:149 Resp: 20139

Ion Ratio Lower Upper

149 100

167 26.6 21.3 31.9

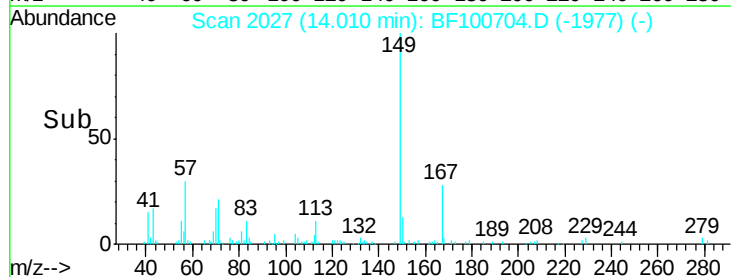
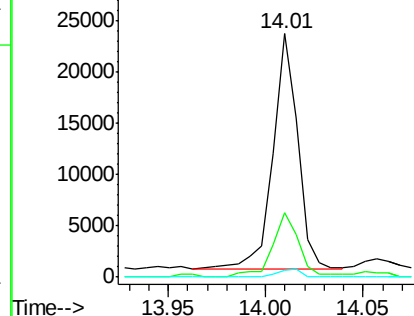
279 3.0 3.0 4.4

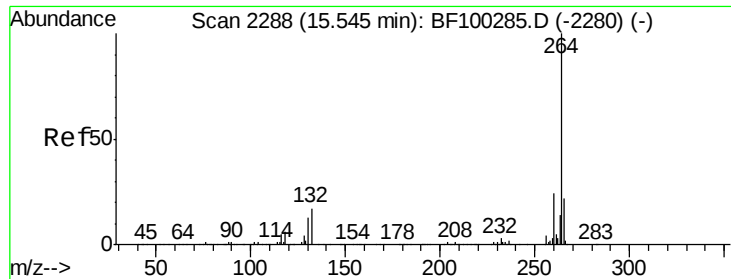


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

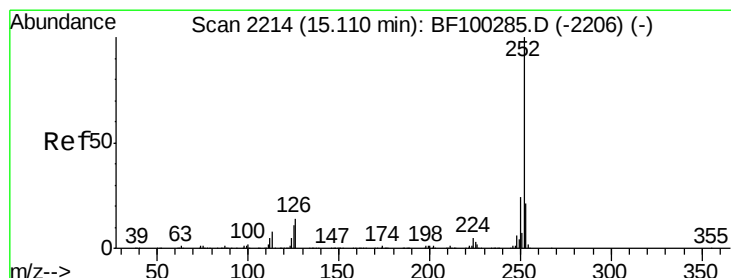
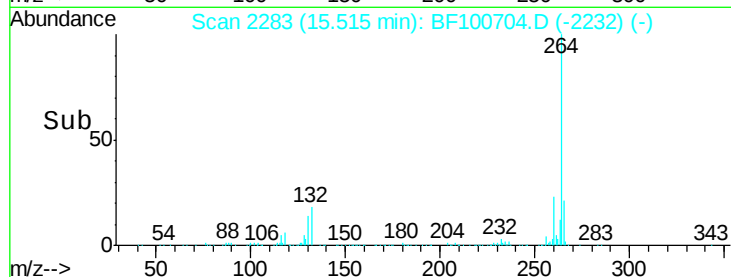
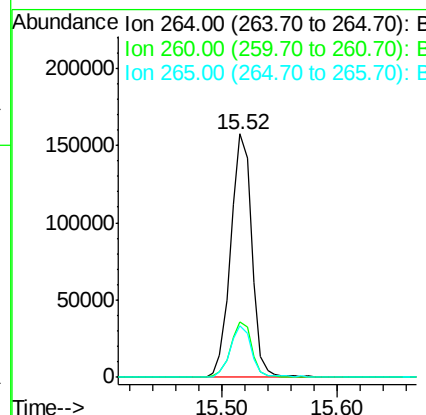
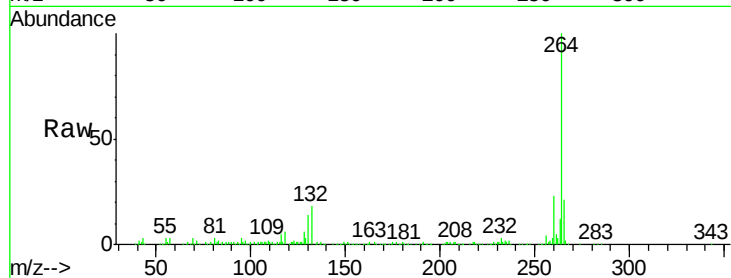




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

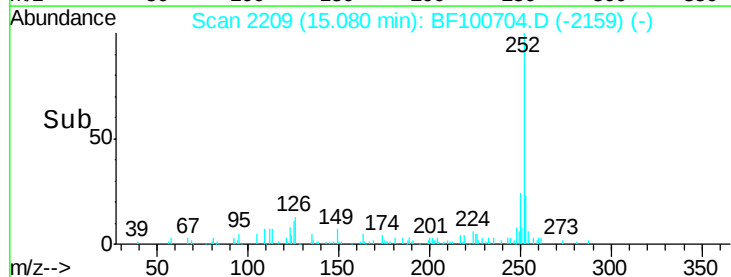
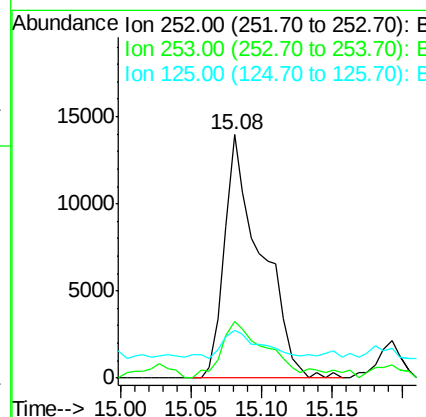
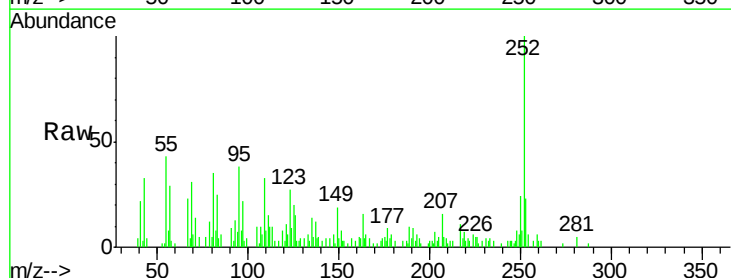
Instrument :
BNA_F
ClientSampleId :
HL-12A

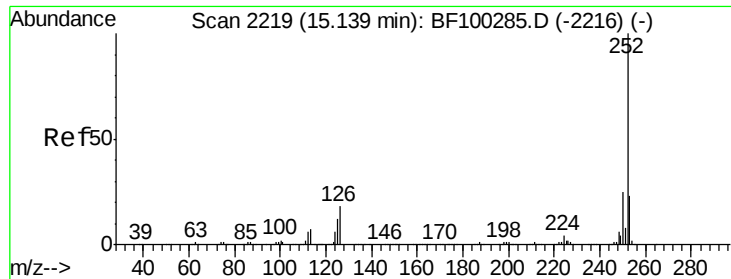
Tgt Ion:264 Resp: 199781
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.13 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100704.D
Acq: 18 Nov 2017 5:05

Tgt Ion:252 Resp: 25193
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 19.7 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.25 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.04 min

Lab File: BF100704.D

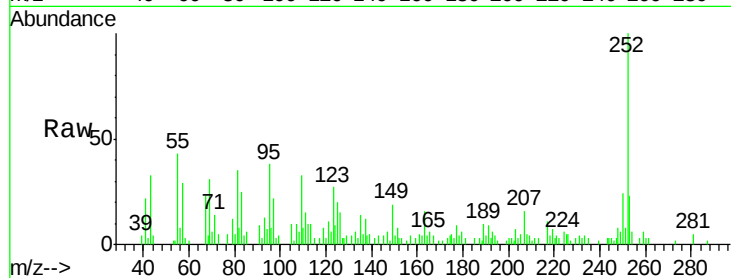
Acq: 18 Nov 2017 5:05

Instrument :

BNA_F

ClientSampleId :

HL-12A



Tgt Ion:	252	Resp:	25193
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	19.7	10.2	15.2#

