

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100852.D
 Acq On : 23 Nov 2017 4:21
 Operator : SJ/JU
 Sample : I6548-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:46:34 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	6.86	152	88307	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	336240	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	148077	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	238125	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	171570	20.00	ng	-0.02
86) Perylene-d12	15.50	264	189518	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	385881	70.05	ng	-0.02
7) Phenol-d6	6.49	99	468540	68.97	ng	-0.02
23) Nitrobenzene-d5	7.42	82	286176	56.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	107892	71.50	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	584957	60.15	ng	-0.02
78) Terphenyl-d14	12.97	244	390093	52.24	ng	-0.02

Target Compounds				Qvalue		
6) Aniline	6.50	93	333	0.035	ng	# 1
9) Benzaldehyde	6.49	77	535	0.110	ng	# 1
10) Phenol	6.50	94	18360	2.575	ng	# 81
11) bis(2-Chloroethyl)ether	6.63	93	425	0.071	ng	# 1
15) Benzyl Alcohol	7.02	79	4570	0.862	ng	# 35
19) n-Nitroso-di-n-propylamine	7.42	70	37193	7.895	ng	# 80
24) Nitrobenzene	7.42	77	713	0.136	ng	# 28
25) Isophorone	7.42	82	286173	26.777	ng	# 64
31) Naphthalene	8.16	128	2766	0.171	ng	# 96
33) 4-Chloroaniline	8.16	127	165	0.024	ng	# 47
37) 2-Methylnaphthalene	8.85	142	1164	0.108	ng	# 63
45) 1,1'-Biphenyl	9.32	154	1801	0.141	ng	# 98
46) 2-Chloronaphthalene	9.60	162	369	0.040	ng	# 1
47) 2-Nitroaniline	9.60	65	292	2.884	ng	# 1
48) Acenaphthylene	9.76	152	4971	0.323	ng	# 96
49) Dimethylphthalate	9.60	163	43224	3.823	ng	# 98
50) 2,6-Dinitrotoluene	9.90	165	18099	8.087	ng	# 25
51) Acenaphthene	9.93	154	4619	0.493	ng	# 96
54) Dibenzofuran	10.10	168	3409	0.260	ng	# 87
55) 4-Nitrophenol	10.10	139	1304	0.608	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	18099	6.411	ng	# 22
57) Fluorene	10.44	166	4505	0.469	ng	# 95
59) Diethylphthalate	10.31	149	4100	0.362	ng	# 98
62) Azobenzene	10.60	77	108	0.010	ng	# 1
65) n-Nitrosodiphenylamine	10.69	169	3801	0.459	ng	# 47
66) 4-Bromophenyl-phenylether	10.69	248	7101	2.782	ng	# 1
70) Phenanthrene	11.40	178	75417	6.015	ng	# 95
71) Anthracene	11.46	178	17760	1.396	ng	# 98
72) Carbazole	11.61	167	5034	0.429	ng	# 98
73) Di-n-butylphthalate	11.94	149	3086	0.225	ng	# 91
74) Fluoranthene	12.60	202	90476	6.809	ng	# 94
76) Benizidine	12.97	184	4394	0.639	ng	# 100
77) Pvrene	12.83	202	84730	6.928	ng	# 98
79) Butylbenzylphthalate	13.44	149	907	0.182	ng	# 74

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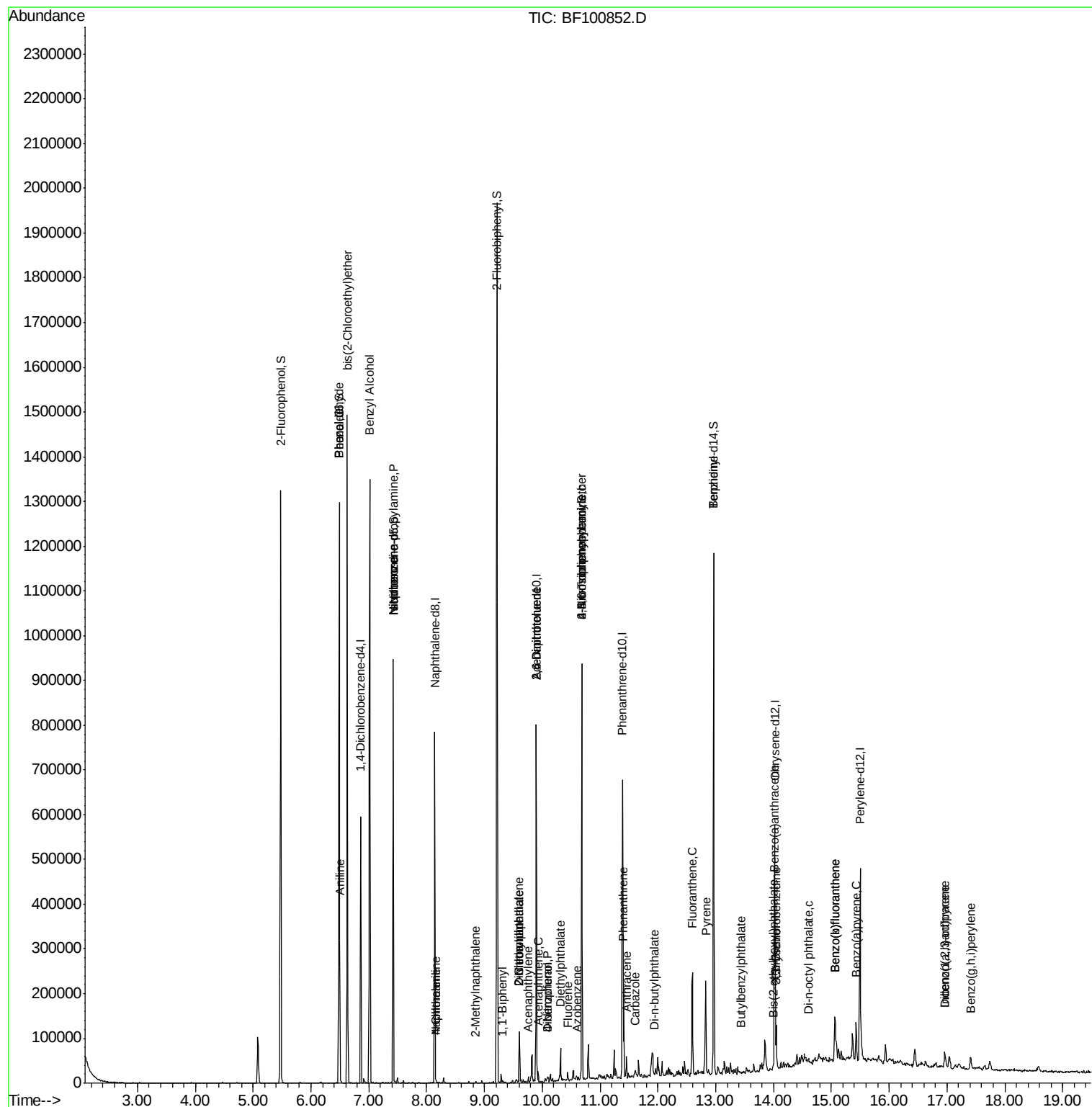
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	14.01	228	43479	4.208	ng	99
81) 3,3'-Dichlorobenzidine	14.06	252	268	0.072	ng #	18
82) Chrysene	14.04	228	39812	3.979	ng	94
83) Bis(2-ethylhexyl)phthalate	13.99	149	3336	0.509	ng #	85
84) Di-n-octyl phthalate	14.60	149	997	0.088	ng #	17
85) Indeno(1,2,3-cd)pyrene	16.97	276	22936	2.834	ng #	91
87) Benzo(b)fluoranthene	15.06	252	71879	6.402	ng	97
88) Benzo(k)fluoranthene	15.06	252	71879	6.775	ng	99
89) Benzo(a)pyrene	15.43	252	40443	4.063	ng	95
90) Dibenzo(a,h)anthracene	16.97	278	6850	0.841	ng #	90
91) Benzo(a,h,i)perylene	17.41	276	21513	2.700	ng #	90

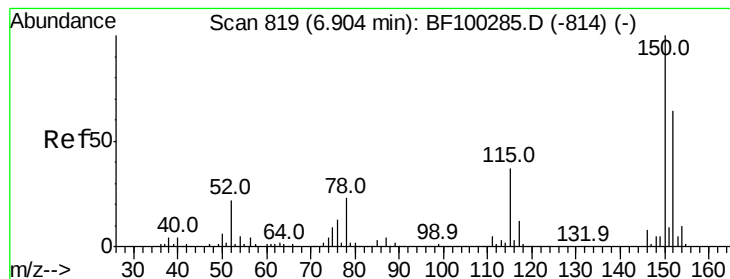
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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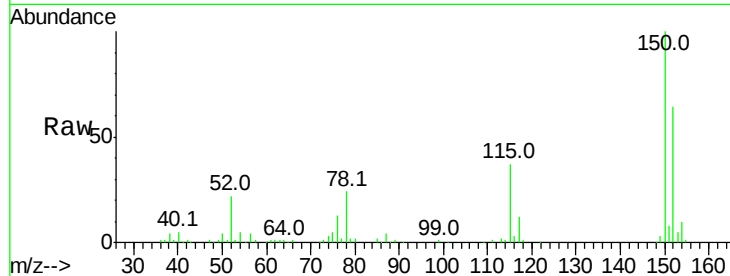


#1

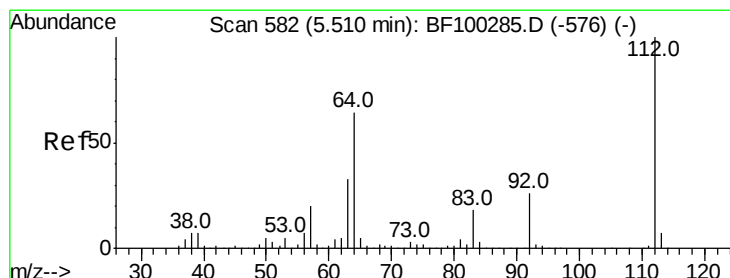
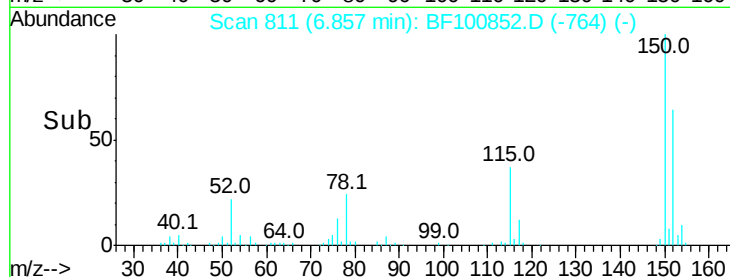
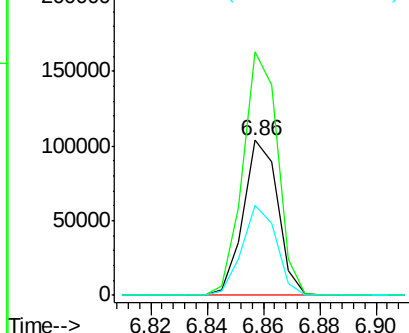
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88307
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 57.6 50.1 75.1



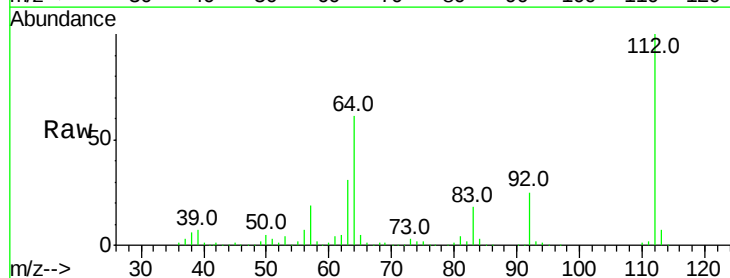
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



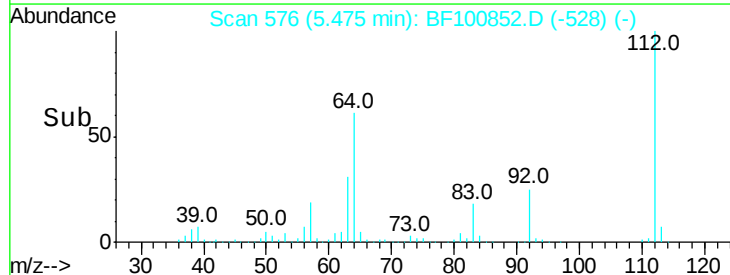
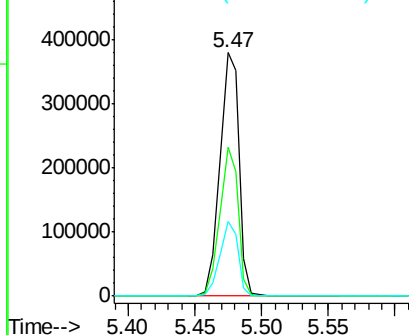
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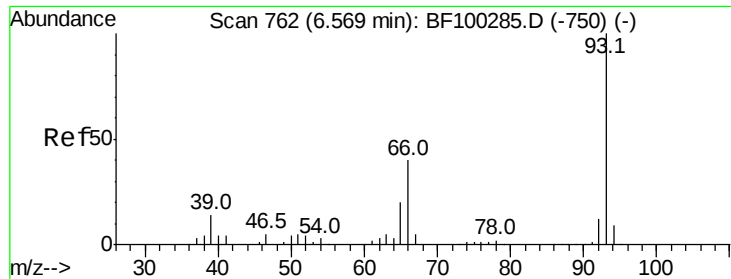
2-Fluorophenol
Concen: 70.047 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion:112 Resp: 385881
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 30.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.035 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.05 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampled :

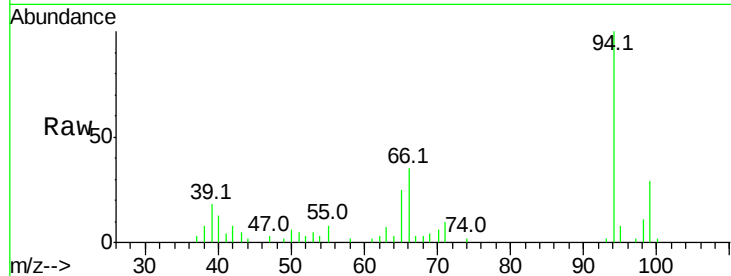
Tot Ion: 93 Resp: 333

Ion Ratio Lower Upper

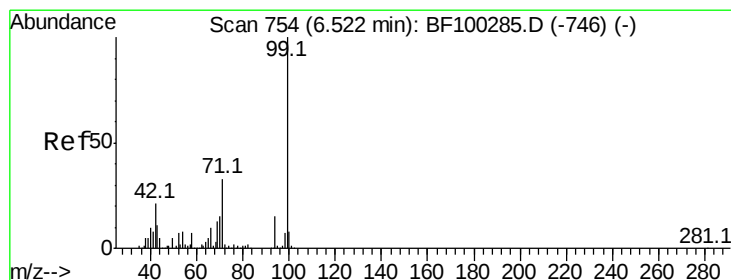
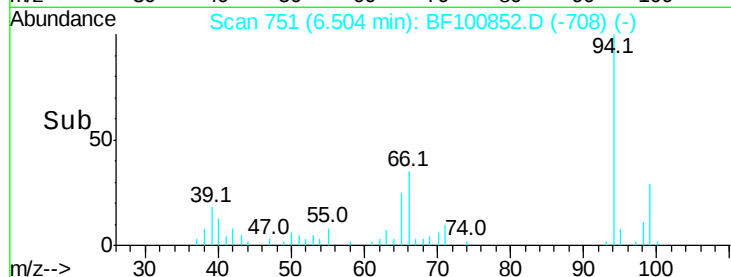
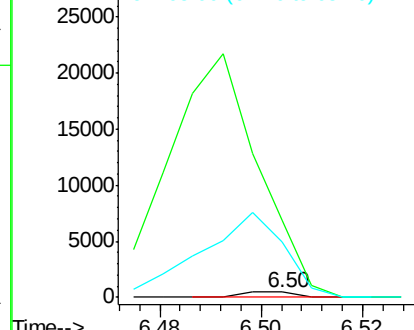
93 100

66 1460.8 32.2 48.2#

65 1058.9 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 68.972 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

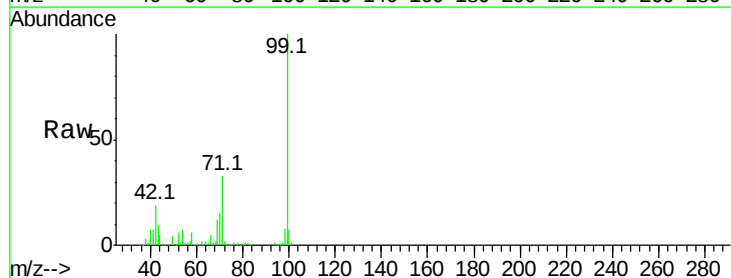
Tgt Ion: 99 Resp: 468540

Ion Ratio Lower Upper

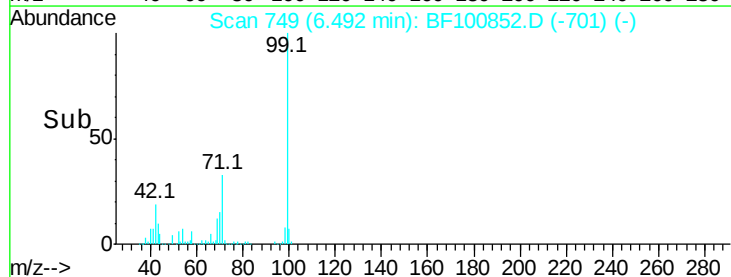
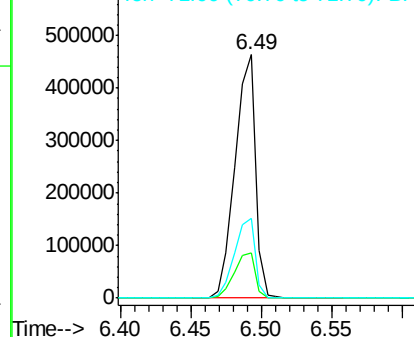
99 100

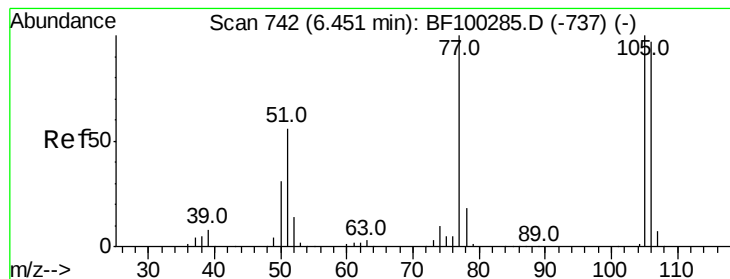
42 18.5 14.5 21.7

71 32.7 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





#9

Benzaldehyde

Concen: 0.110 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.06 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

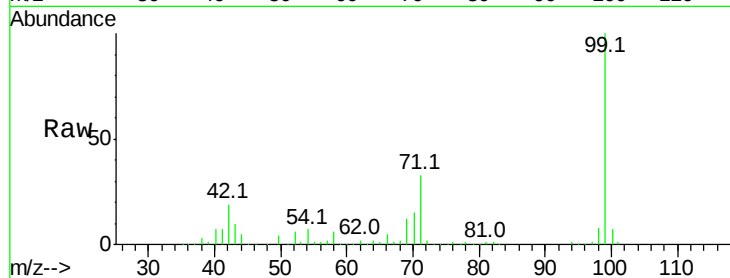
Tot Ion: 77 Resp: 535

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

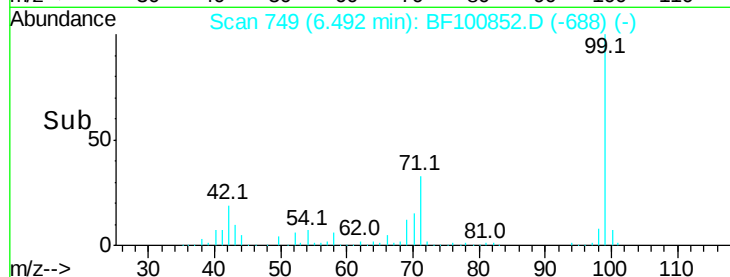
Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

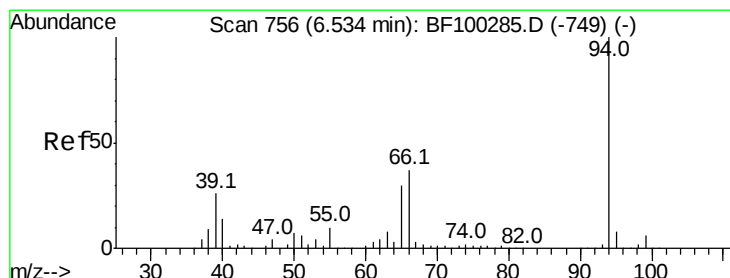
6.49

6.48

6.50



Time-->



#10

Phenol

Concen: 2.575 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

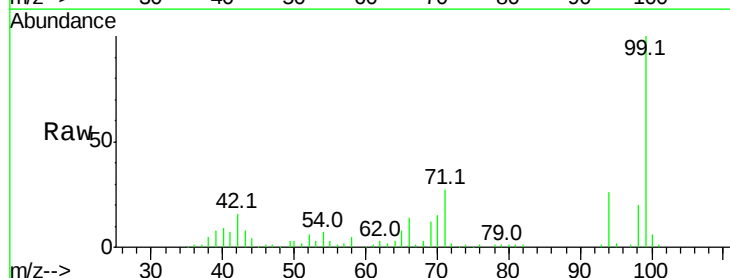
Tgt Ion: 94 Resp: 18360

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

66 53.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

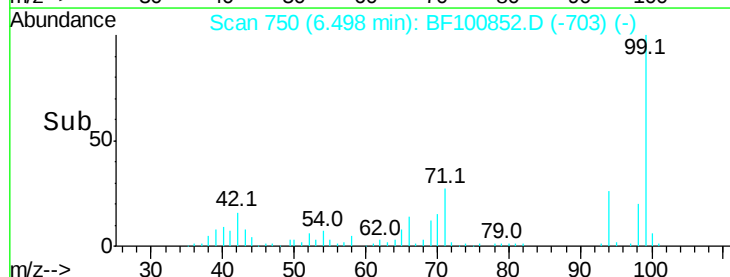
Ion 66.00 (65.70 to 66.70): BF1

6.50

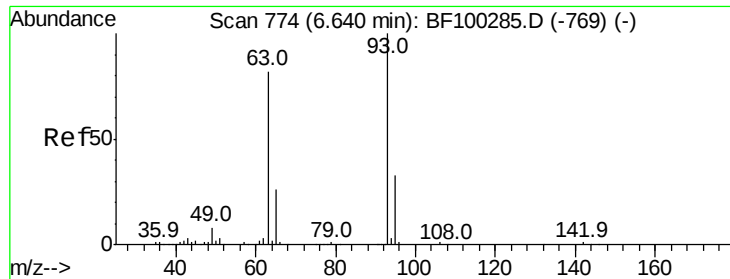
6.48

6.52

6.54



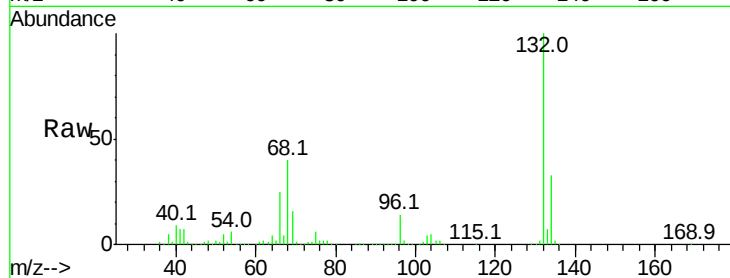
Time-->



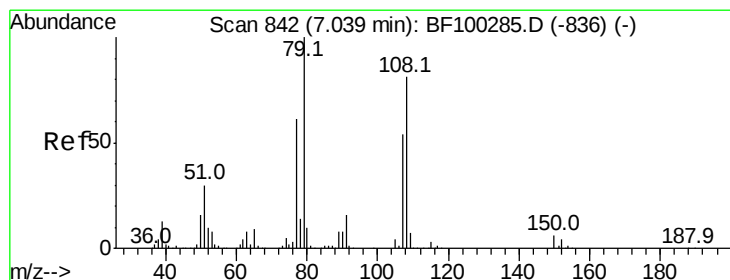
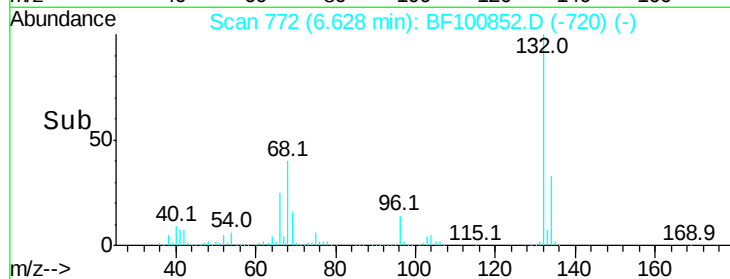
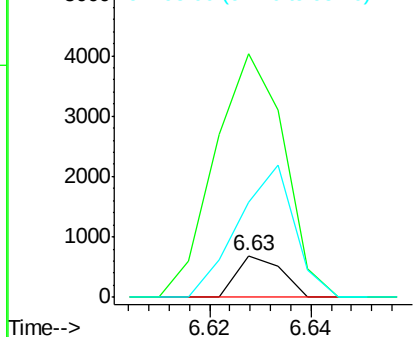
#11
bis(2-Chloroethyl)ether
Concen: 0.071 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.01 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 425
Ion Ratio Lower Upper
93 100
63 581.5 58.6 98.6#
95 227.6 11.8 51.8#

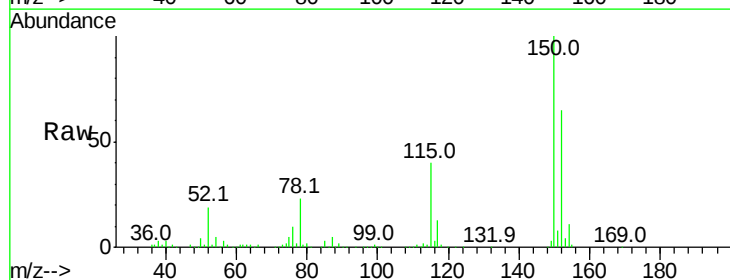


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

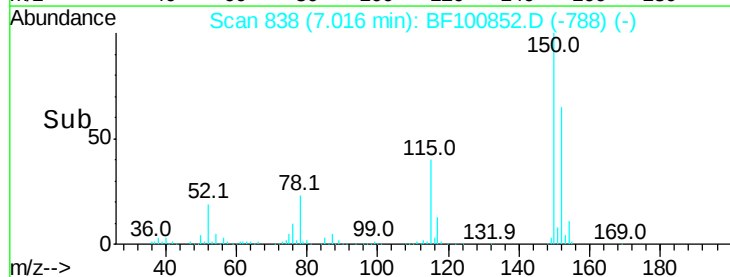
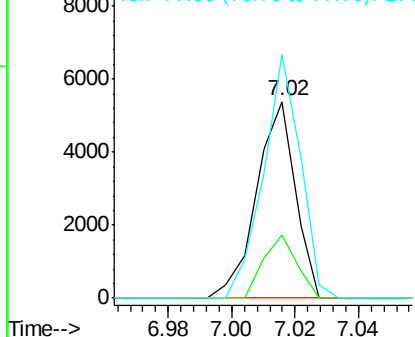


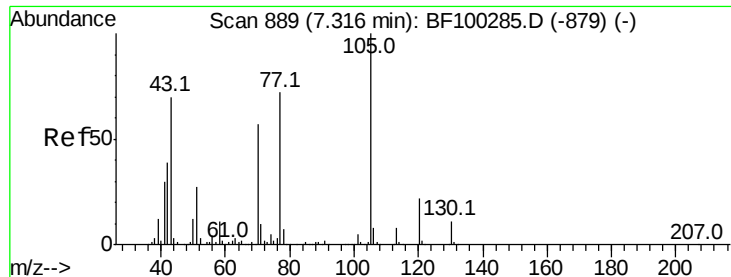
#15
Benzyl Alcohol
Concen: 0.862 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion: 79 Resp: 4570
Ion Ratio Lower Upper
79 100
108 32.3 65.1 97.7#
77 123.7 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

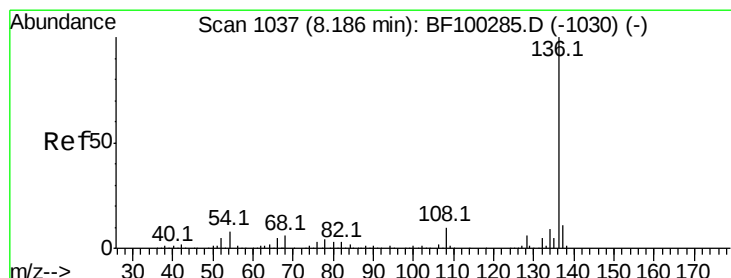
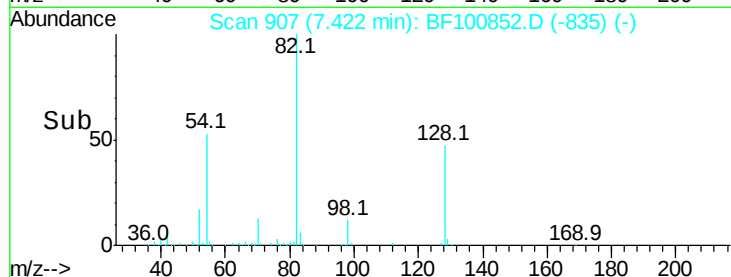
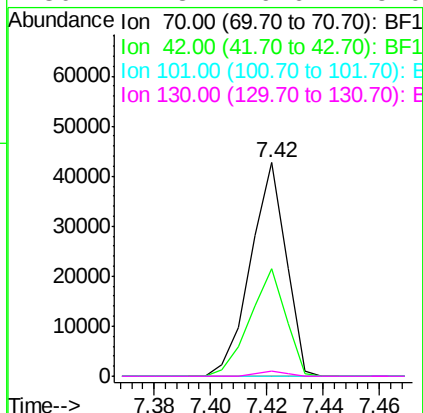
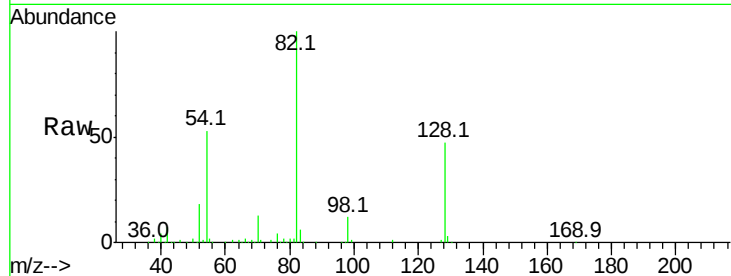




#19
n-Nitroso-di-n-propylamine
Concen: 7.895 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

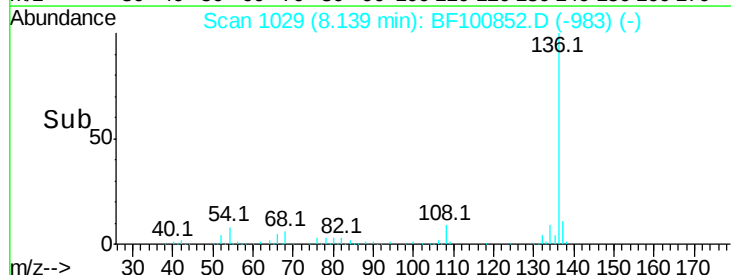
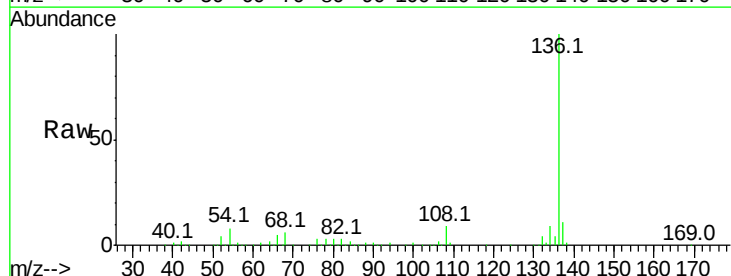
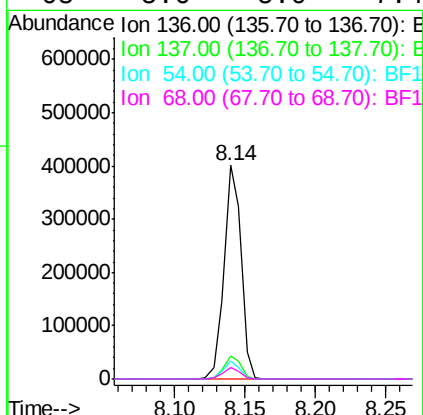
Instrument :
BNA_F
ClientSampleId :

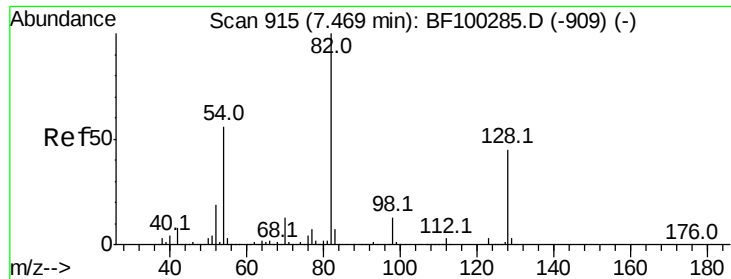
Tot Ion: 70 Resp: 37193
Ion Ratio Lower Upper
70 100
42 50.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion: 136 Resp: 336240
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.2 6.6 9.8
68 5.6 5.0 7.4

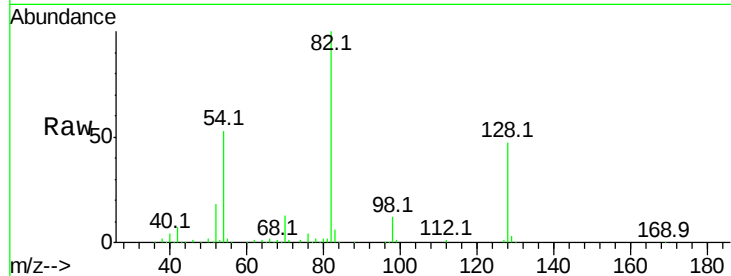




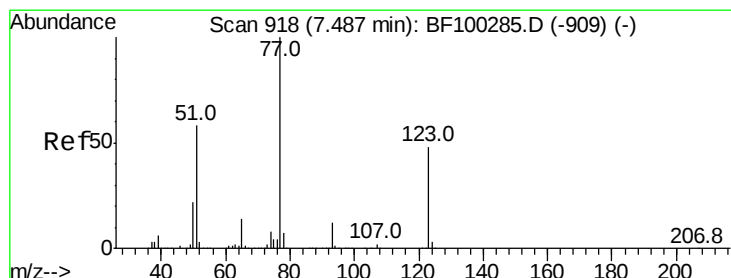
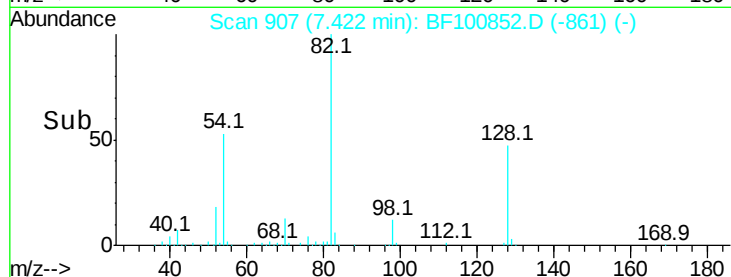
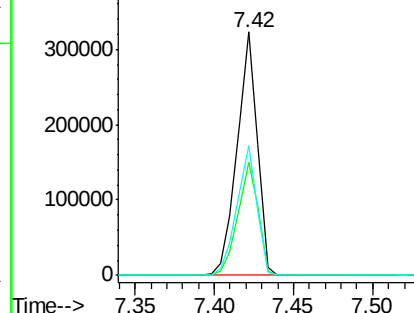
#23
 Nitrobenzene-d5
 Concen: 56.270 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 286176
 Ion Ratio Lower Upper
 82 100
 128 46.6 36.1 54.1
 54 53.4 41.4 62.2

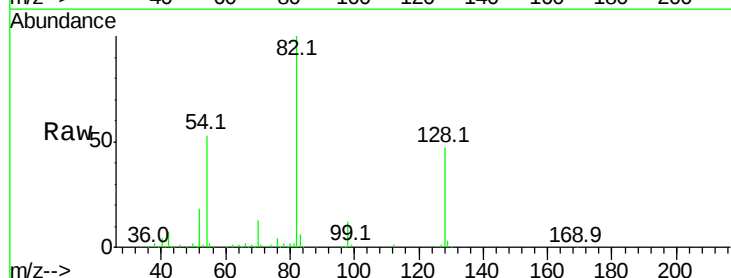


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1

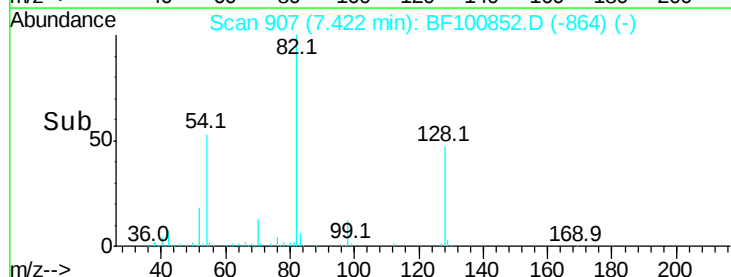
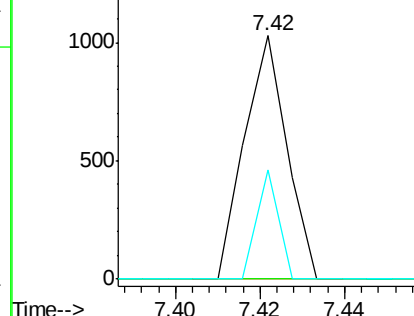


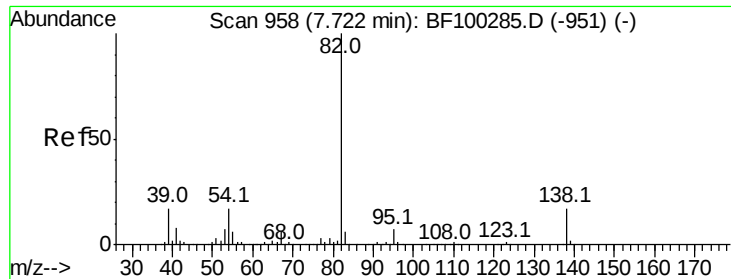
#24
 Nitrobenzene
 Concen: 0.136 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion: 77 Resp: 713
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 45.0 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 26.777 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

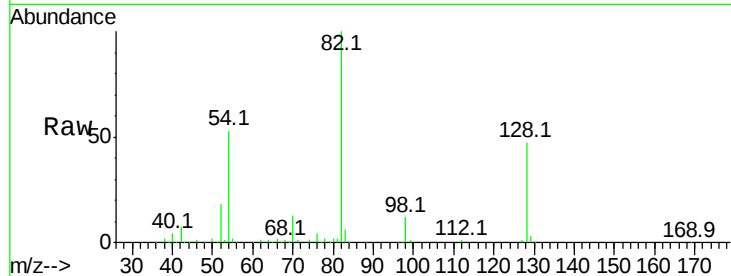
Tot Ion: 82 Resp: 286173

Ion Ratio Lower Upper

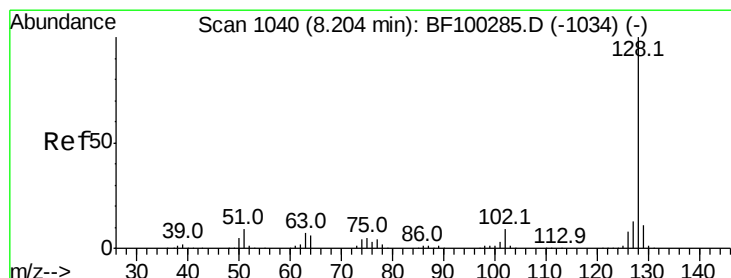
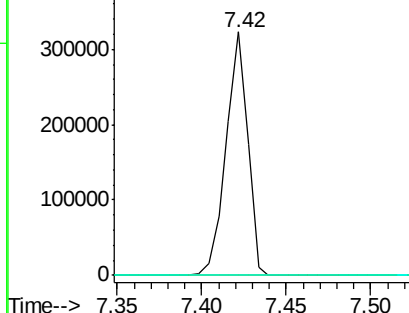
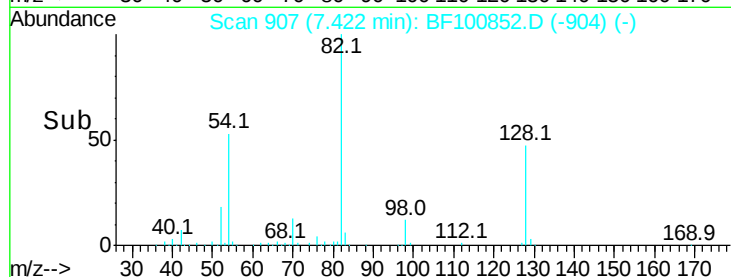
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.171 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

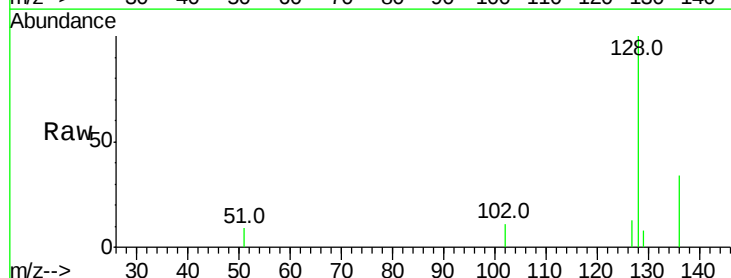
Tgt Ion: 128 Resp: 2766

Ion Ratio Lower Upper

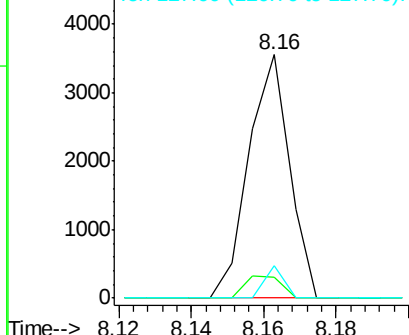
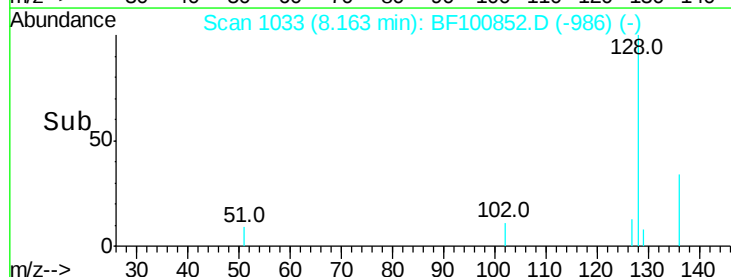
128 100

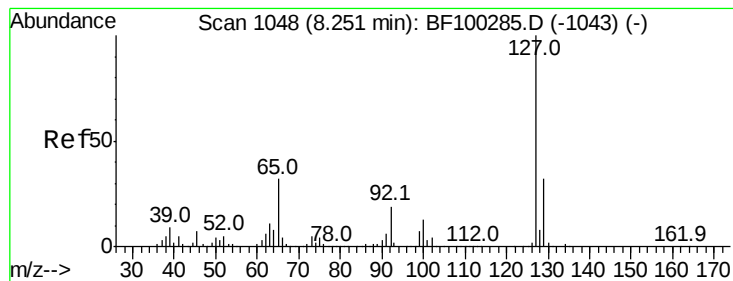
129 8.5 8.8 13.2#

127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#33

4-Chloroaniline

Concen: 0.024 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF100852.D

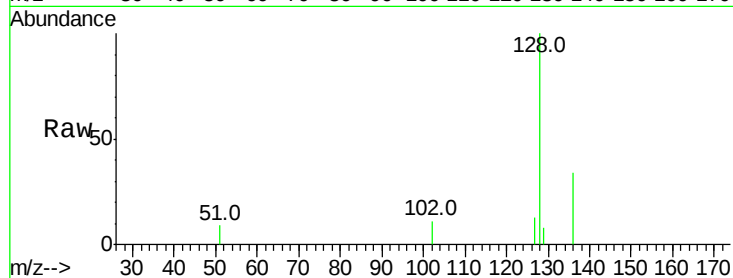
Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	127	Resp:	165
Ion	Ratio	Lower	Upper
127	100		
129	64.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

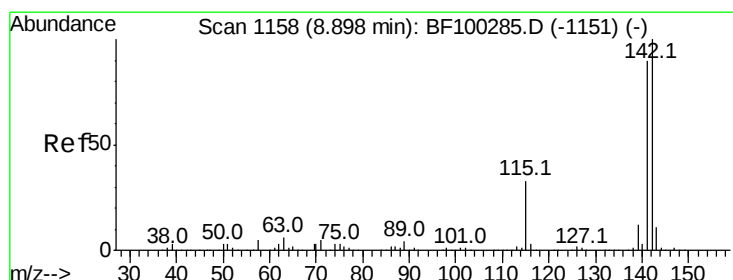
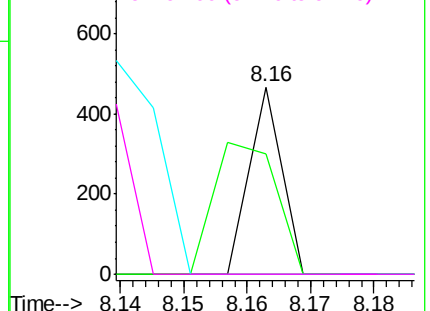
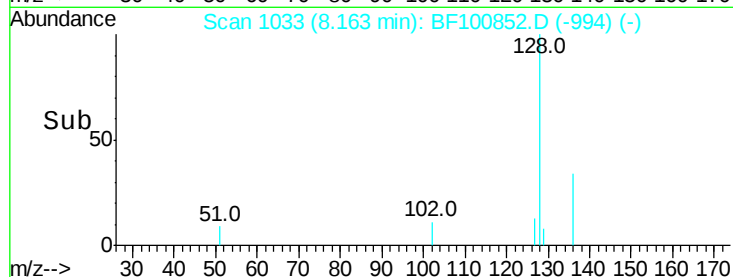


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#37

2-Methylnaphthalene

Concen: 0.108 ng

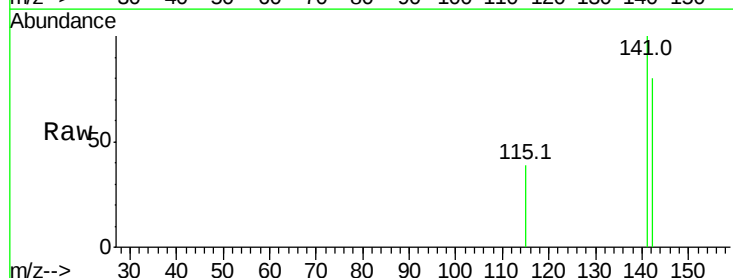
RT: 8.85 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

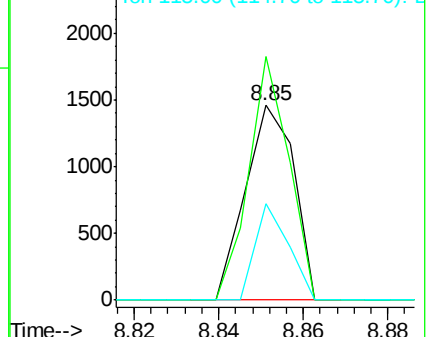
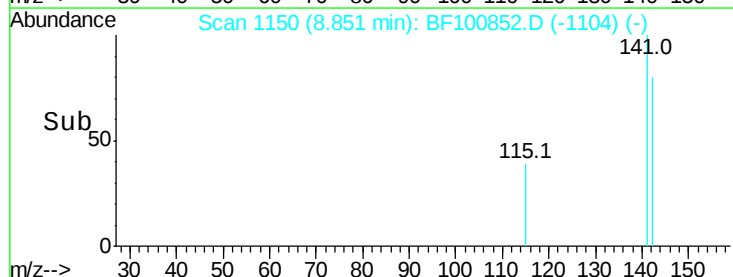
Tgt Ion:	142	Resp:	1164
Ion	Ratio	Lower	Upper
142	100		
141	125.3	70.8	106.2#
115	49.3	26.1	39.1#

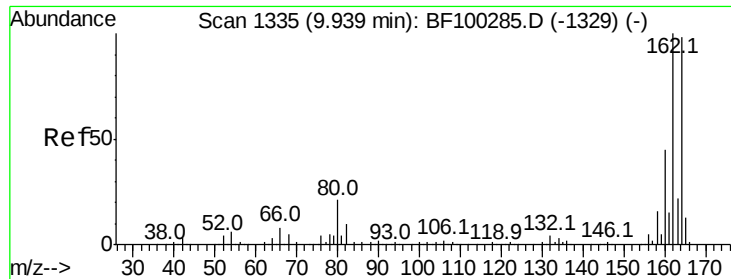


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

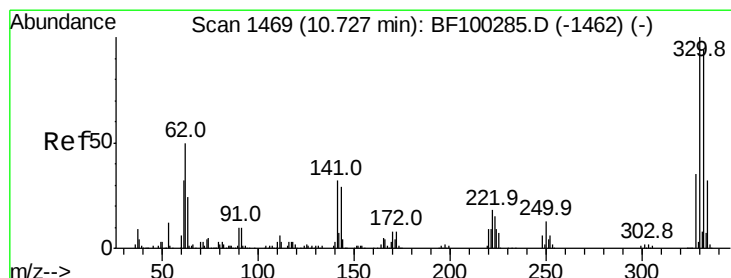
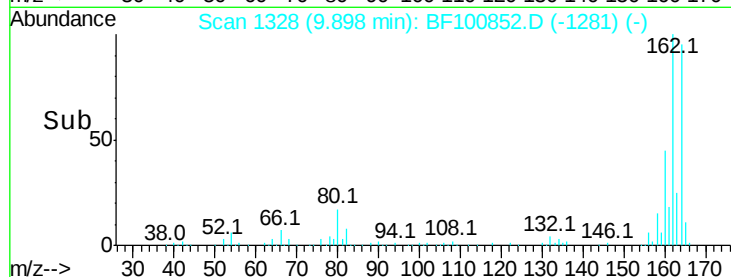
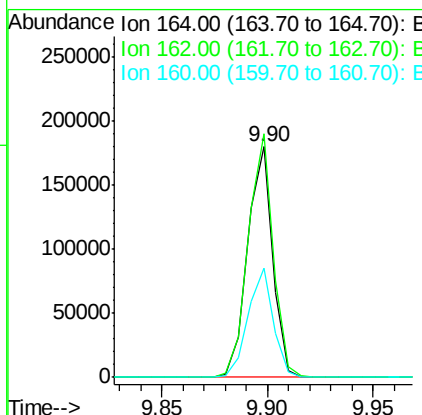
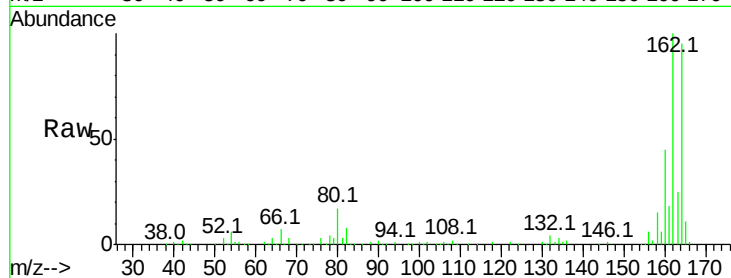




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

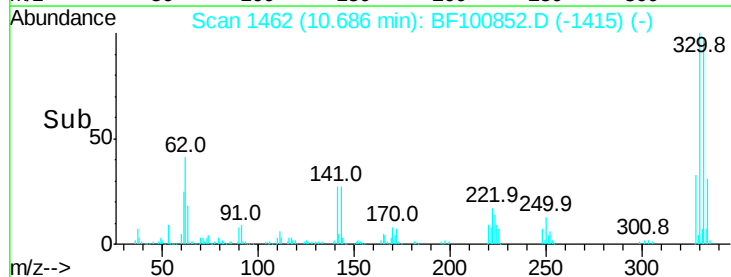
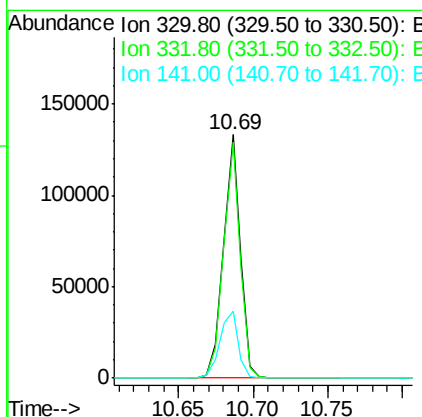
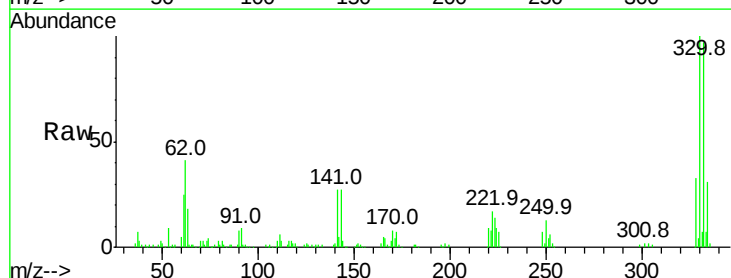
Instrument :
 BNA_F
 ClientSampleId :

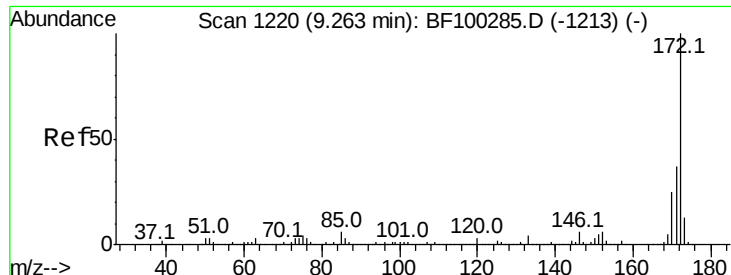
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	47.4	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 71.504 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.2	29.9	44.9#

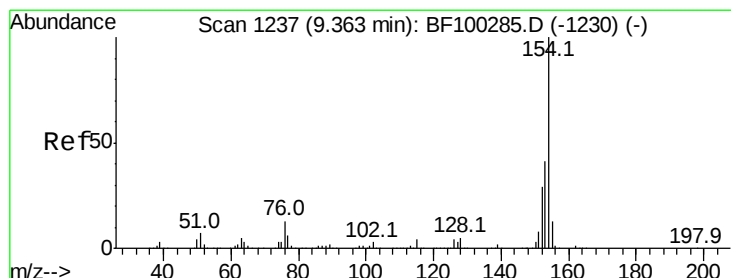
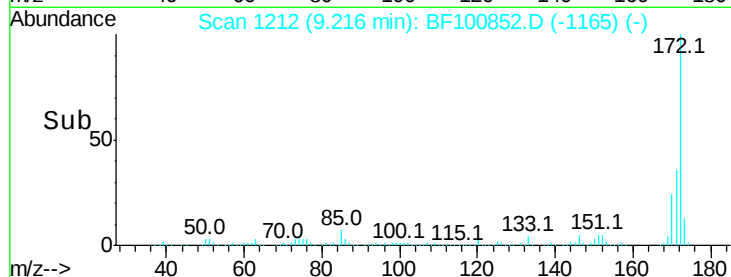
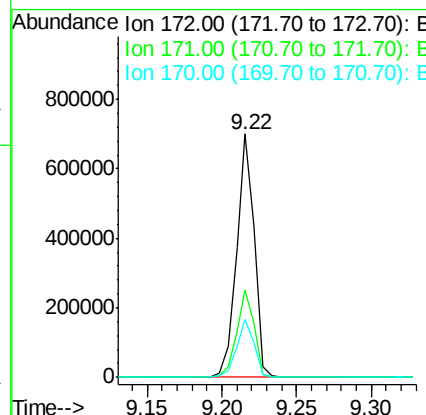
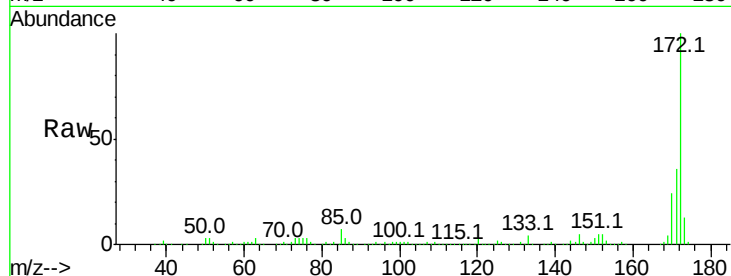




#44
 2-Fluorobiphenyl
 Concen: 60.153 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

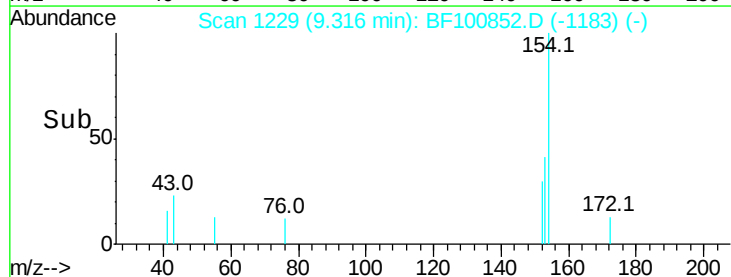
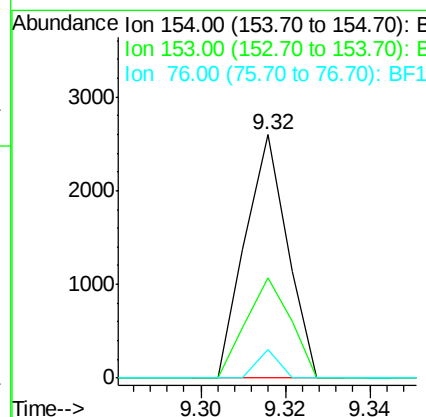
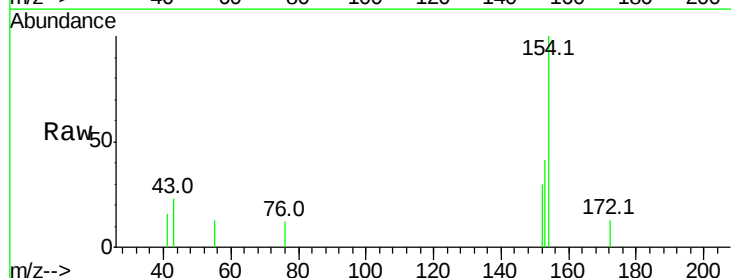
Instrument :
 BNA_F
 ClientSampleId :

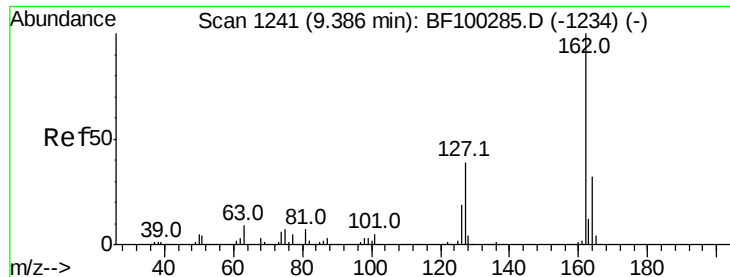
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4



#45
 1,1'-Biphenyl
 Concen: 0.141 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.3	61.3
76	11.7	0.0	34.0

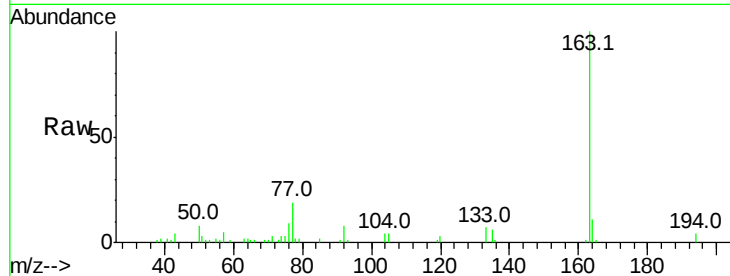




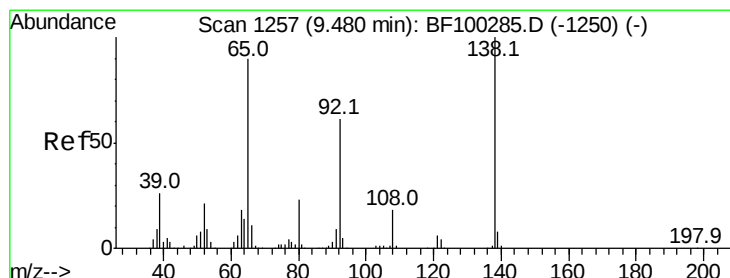
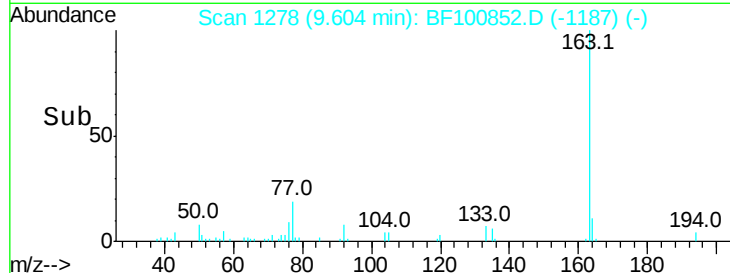
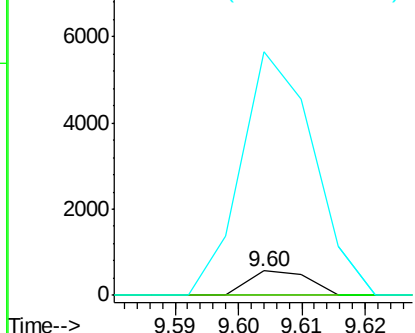
#46
 2-Chloronaphthalene
 Concen: 0.040 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. 0.24 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 369
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.9 50.9#
 164 1010.9 26.5 39.7#

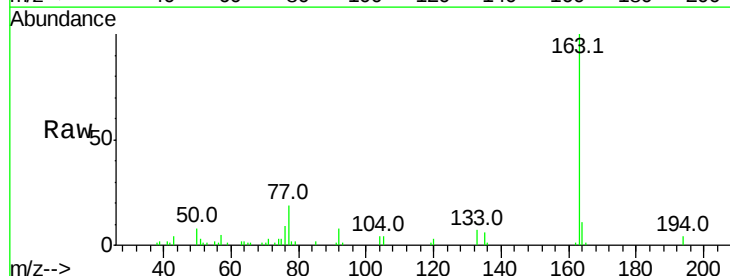


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

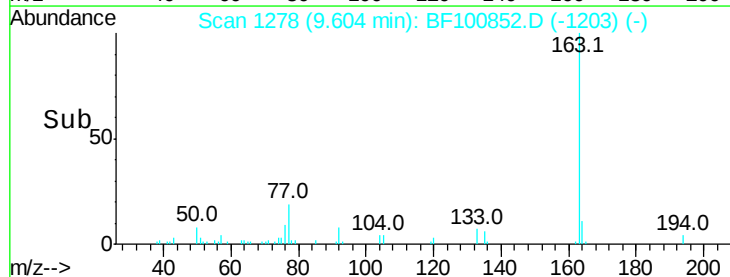
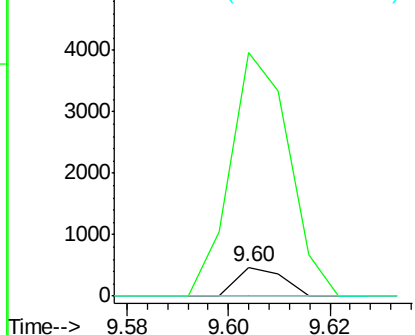


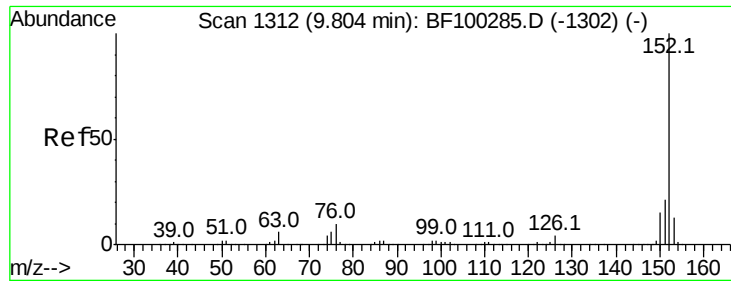
#47
 2-Nitroaniline
 Concen: 2.884 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. 0.14 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion: 65 Resp: 292
 Ion Ratio Lower Upper
 65 100
 92 850.9 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): E

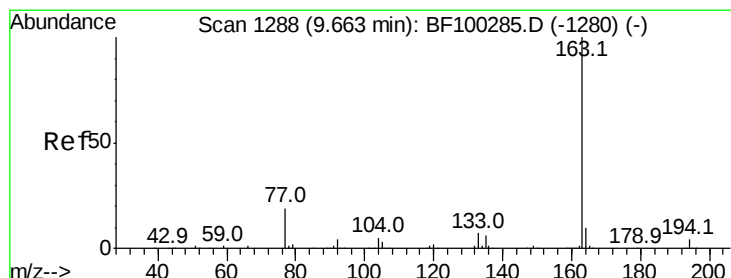
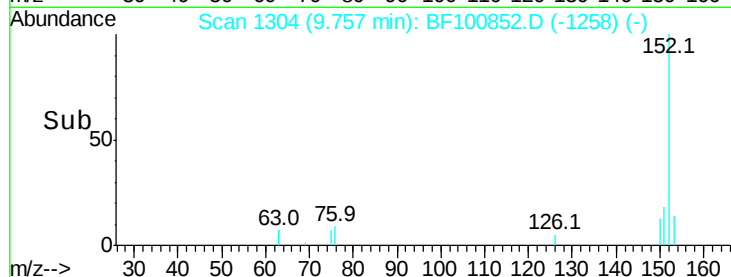
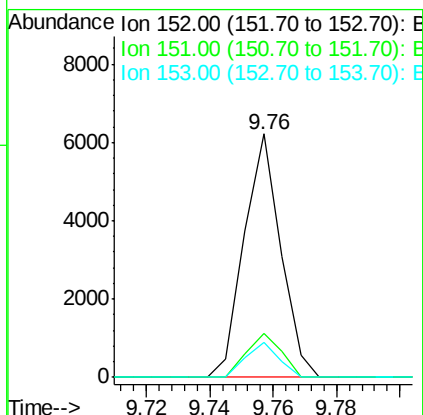
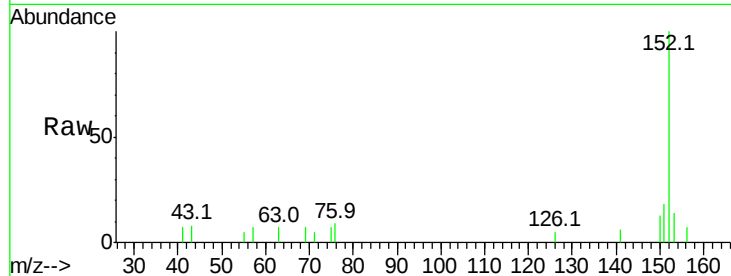




#48
Acenaphthylene
Concen: 0.323 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

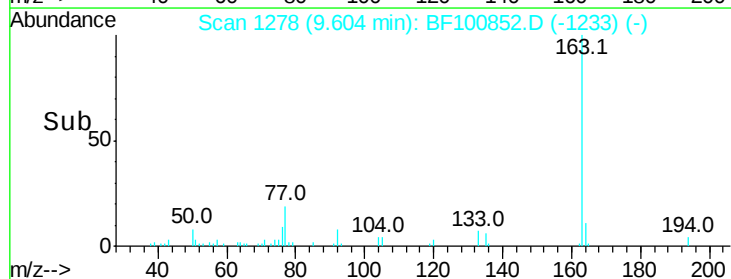
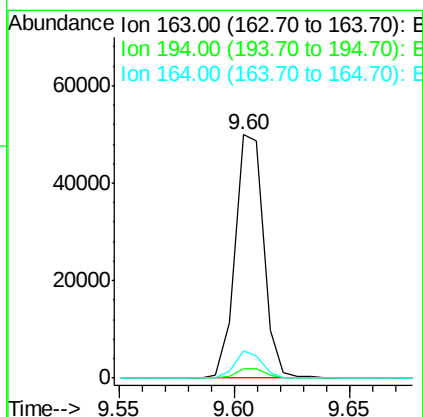
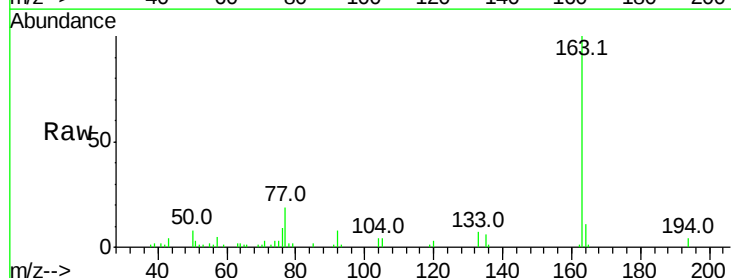
Instrument :
BNA_F
ClientSampleId :

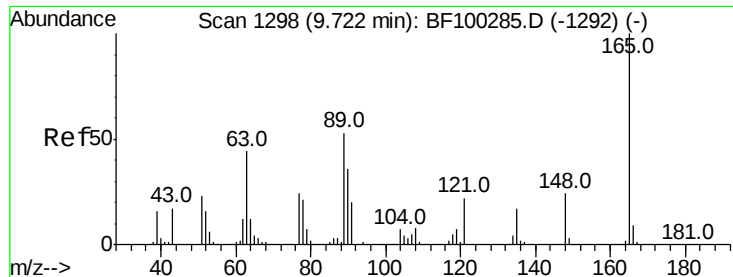
Tot Ion:	152	Resp:	4971
Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.3	24.5
153	14.2	10.7	16.1



#49
Dimethylphthalate
Concen: 3.823 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.04 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion:	163	Resp:	43224
Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	11.3	8.2	12.2

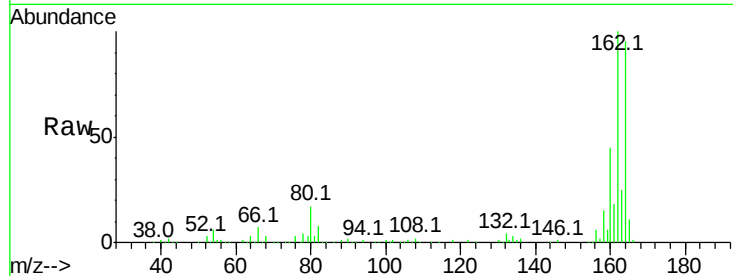




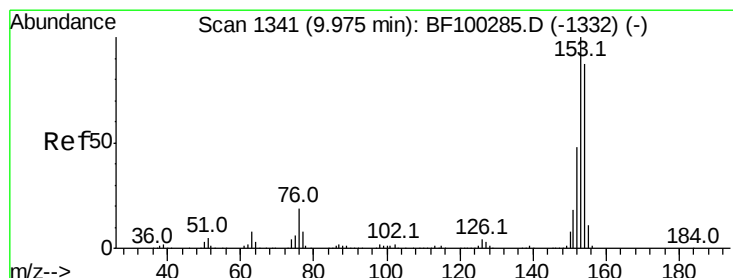
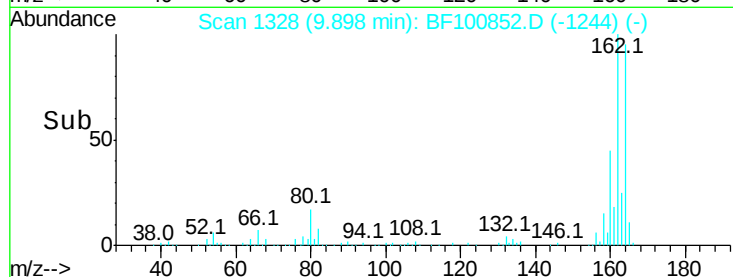
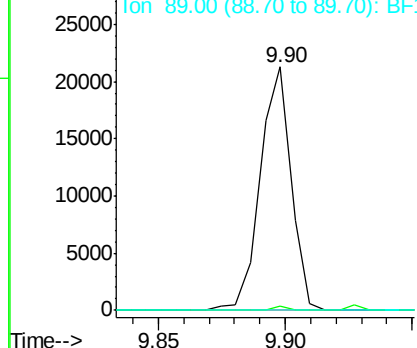
#50
2,6-Dinitrotoluene
Concen: 8.087 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.0	44.0	66.0#

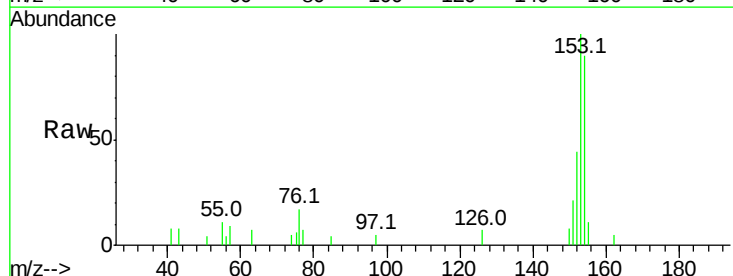


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

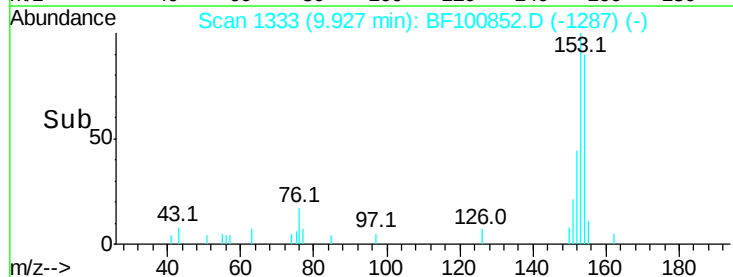
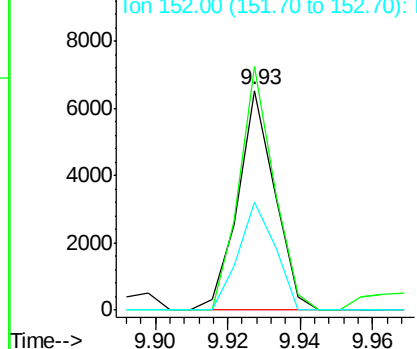


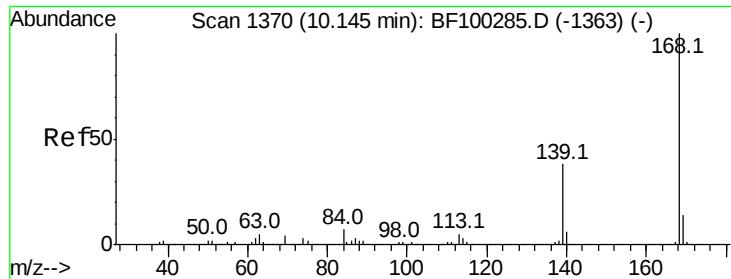
#51
Acenaphthene
Concen: 0.493 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	91.2	136.8
152	49.2	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzo(furan)

Concen: 0.260 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

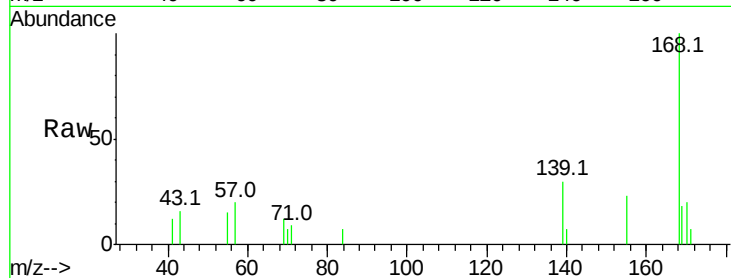
Tot Ion:168 Resp: 3409

Ion Ratio Lower Upper

168 100

139 29.9 30.1 45.1#

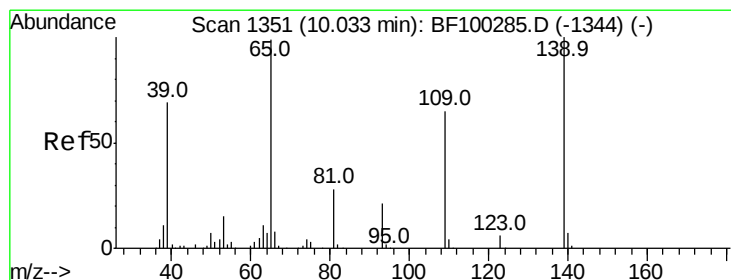
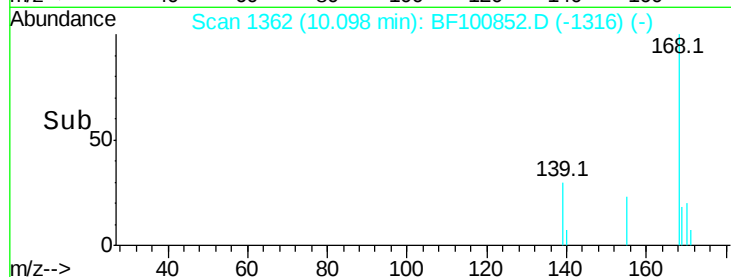
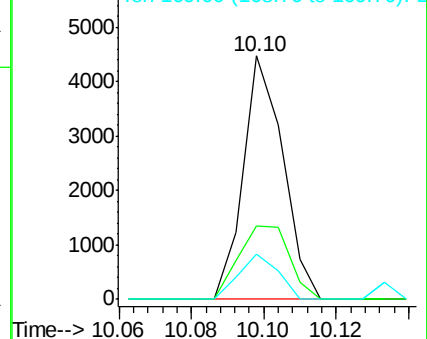
169 18.5 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.608 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.08 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

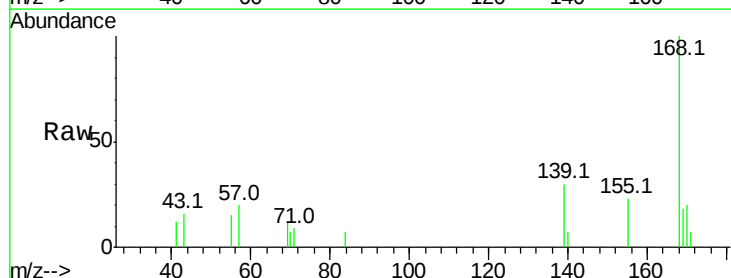
Tgt Ion:139 Resp: 1304

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

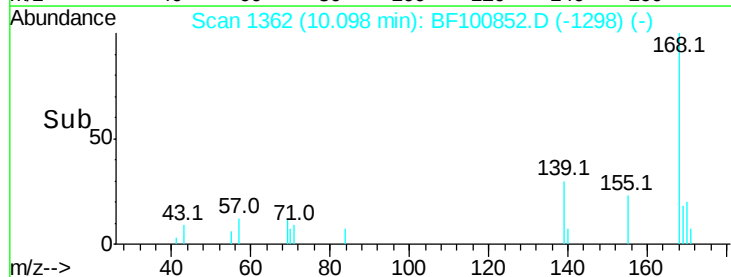
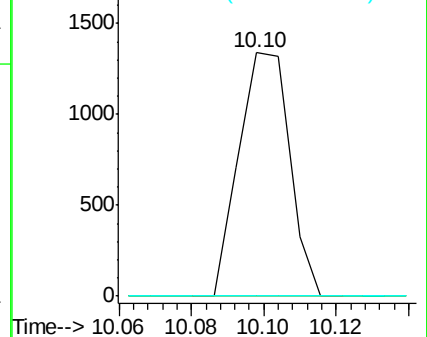
65 0.0 72.6 112.6#

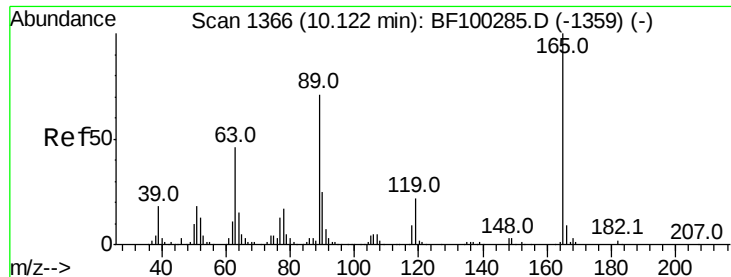


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

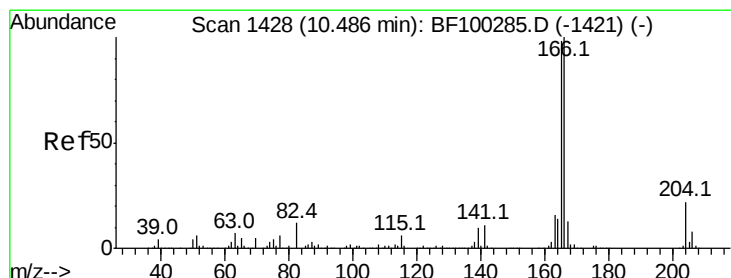
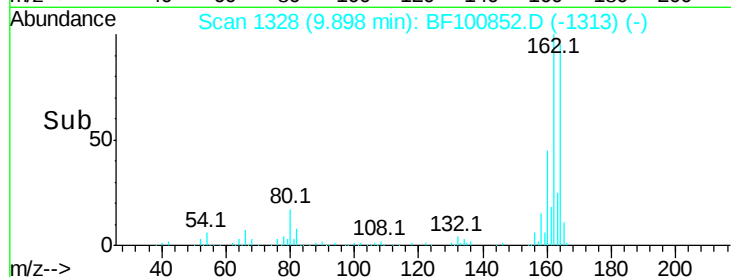
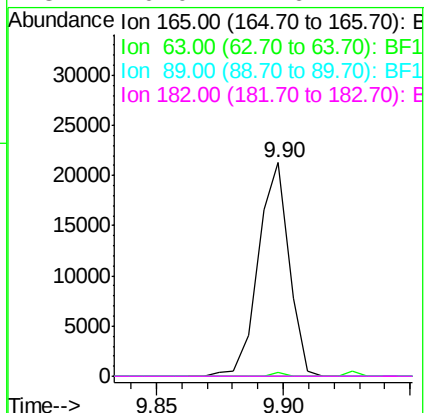
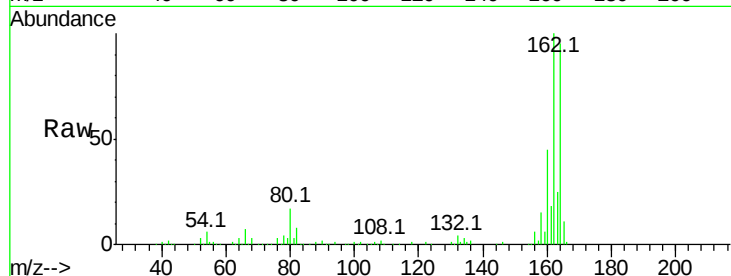




#56
2,4-Dinitrotoluene
Concen: 6.411 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.21 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

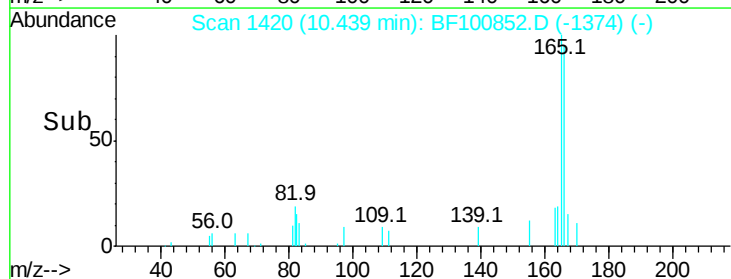
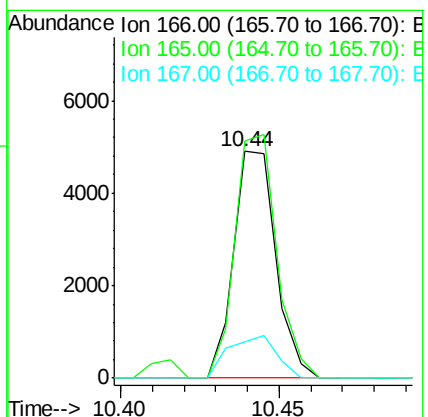
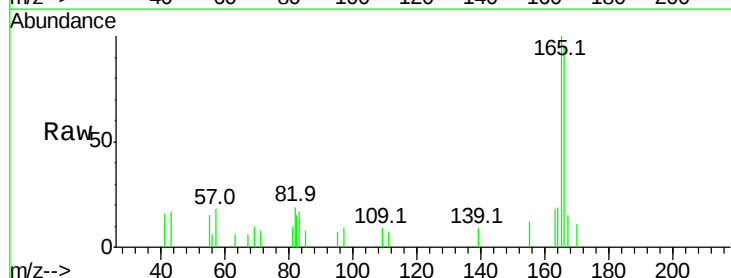
Instrument :
BNA_F
ClientSampleId :

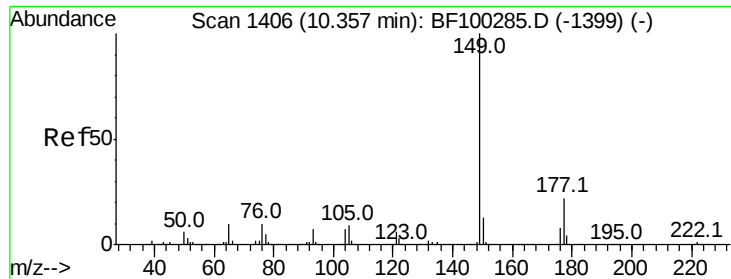
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.469 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.03 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.8	79.8	119.8
167	16.2	10.6	16.0#

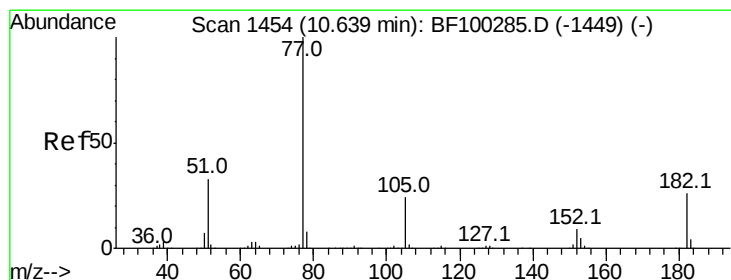
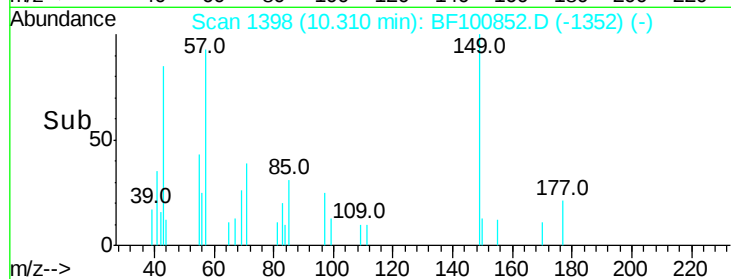
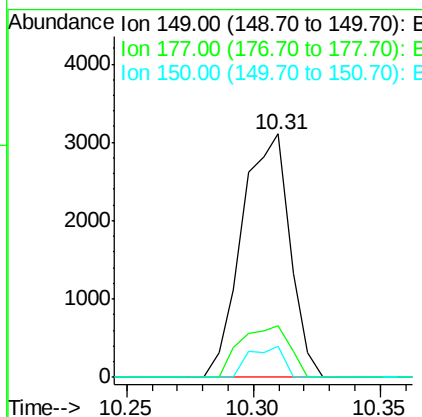
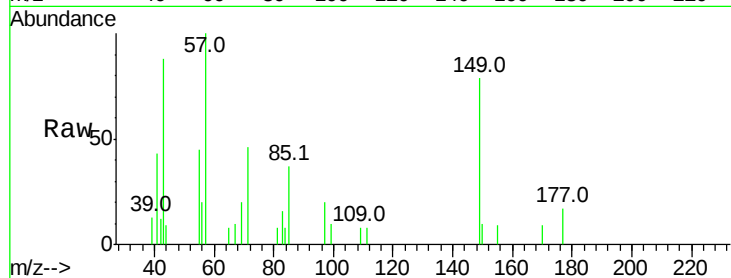




#59
Diethylphthalate
Concen: 0.362 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.03 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

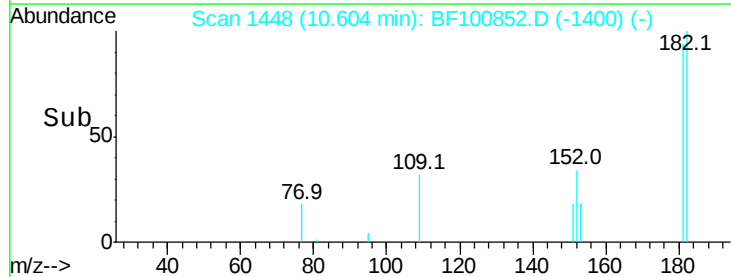
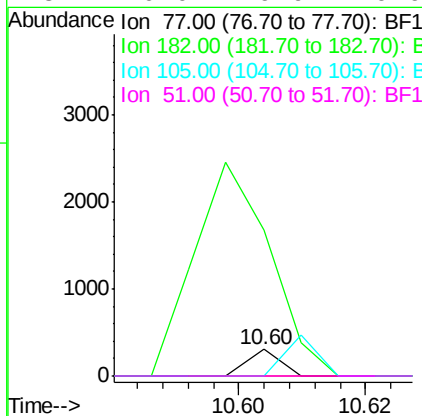
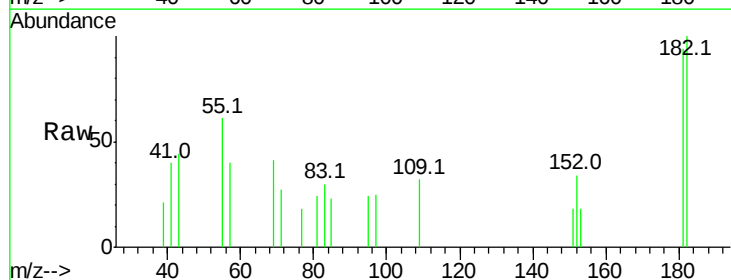
Instrument :
BNA_F
ClientSampleId :

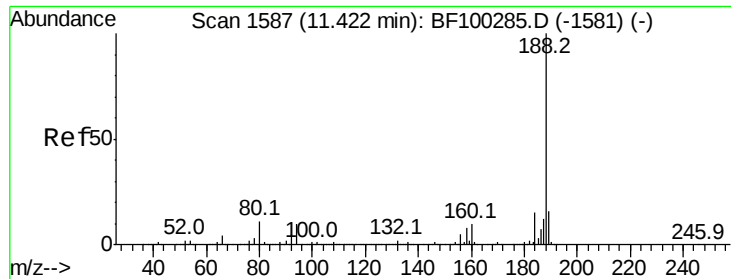
Tot Ion:149 Resp: 4100
Ion Ratio Lower Upper
149 100
177 21.4 16.1 24.1
150 12.9 10.1 15.1



#62
Azobenzene
Concen: 0.010 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion: 77 Resp: 108
Ion Ratio Lower Upper
77 100
182 547.9 1.7 41.7#
105 0.0 3.0 43.0#
51 0.0 9.9 49.9#

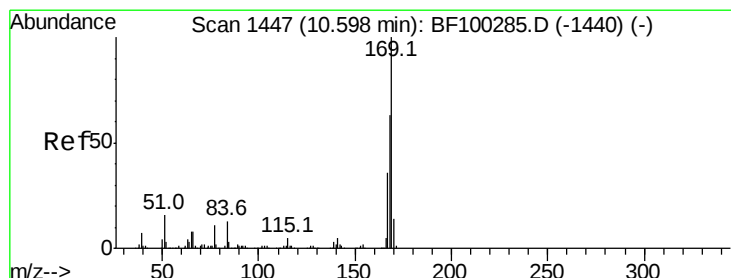
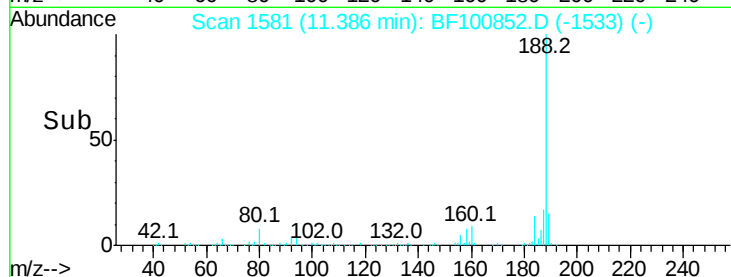
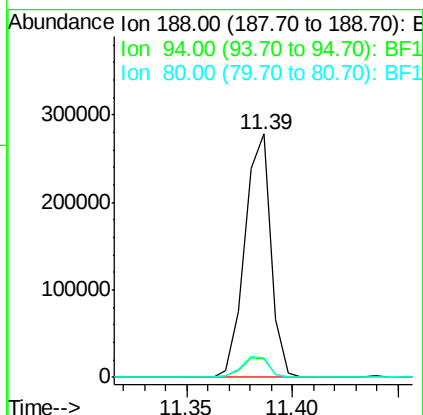
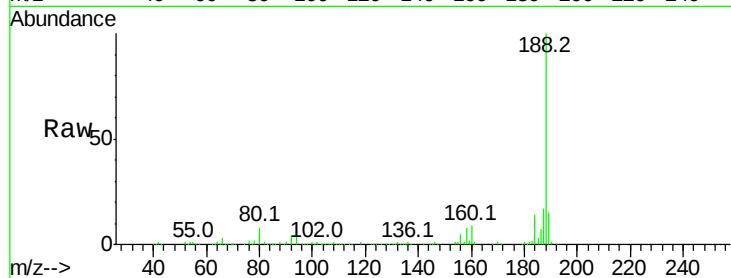




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

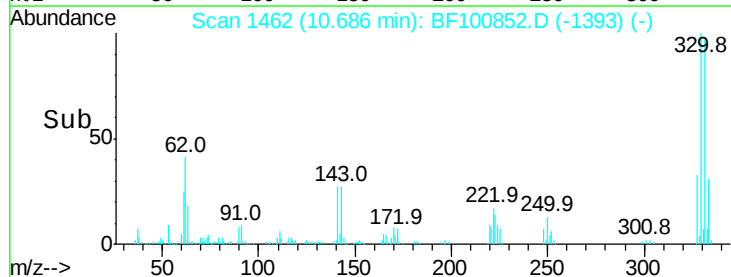
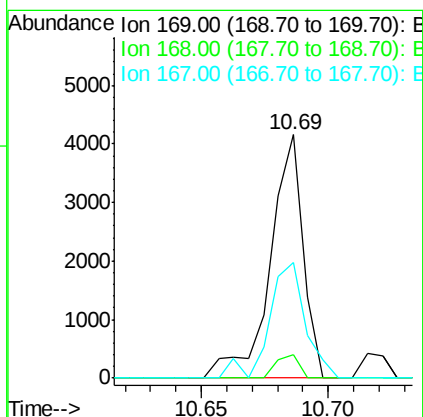
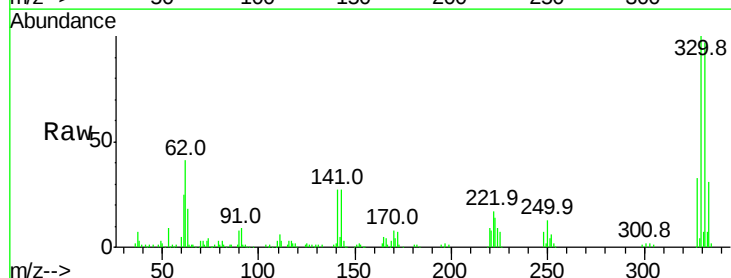
Instrument :
BNA_F
ClientSampleId :

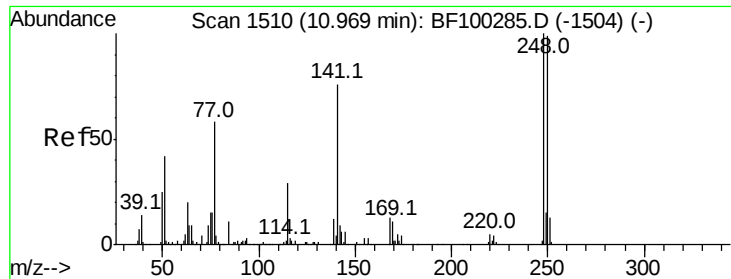
Tot Ion:188 Resp: 238125
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.1 9.2 13.8#



#65
n-Nitrosodiphenylamine
Concen: 0.459 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.11 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion:169 Resp: 3801
Ion Ratio Lower Upper
169 100
168 9.5 54.4 81.6#
167 47.5 29.8 44.6#

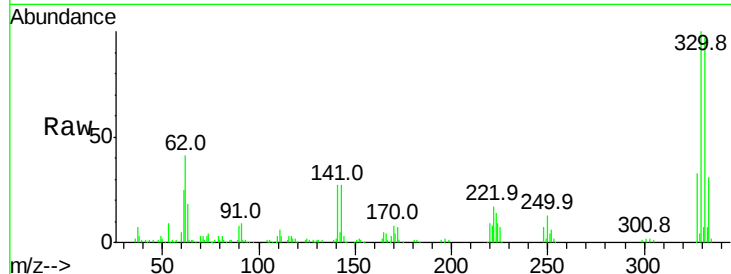




#66
 4-Bromophenyl-phenylether
 Concen: 2.782 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.26 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	190.2	76.9	115.3#
141	415.1	74.4	111.6#

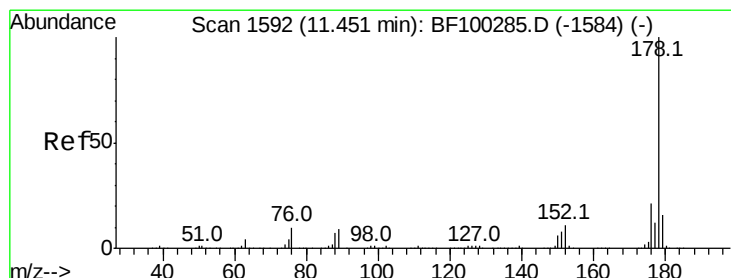
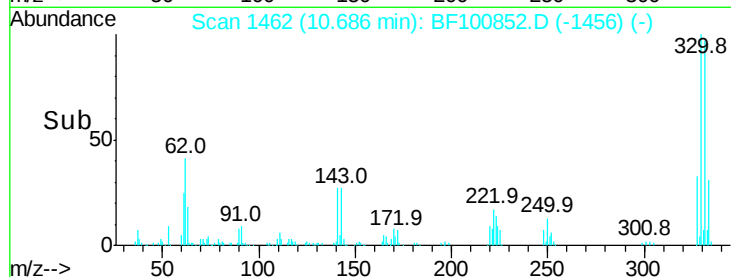
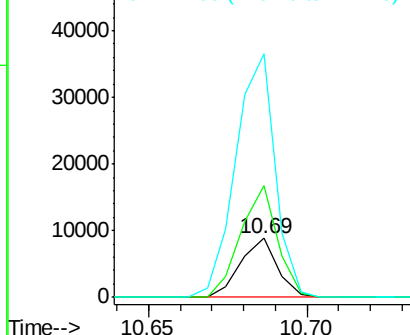


Abundance

Ion 248.00 (247.70 to 248.70): E

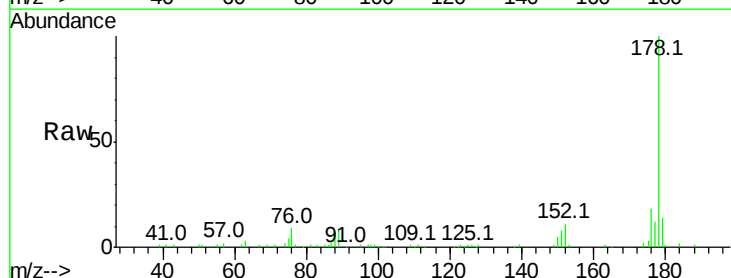
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 6.015 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	13.6	13.0	19.6

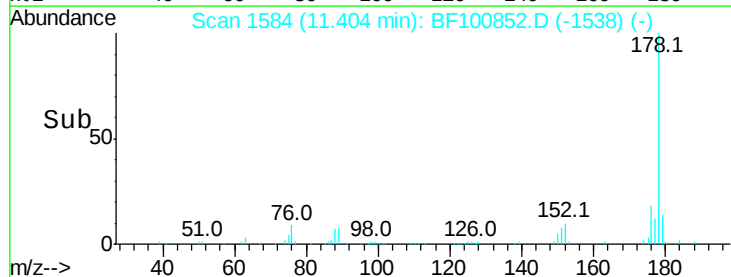
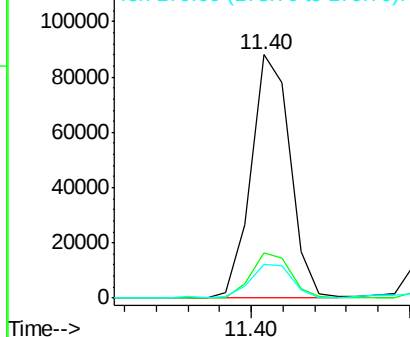


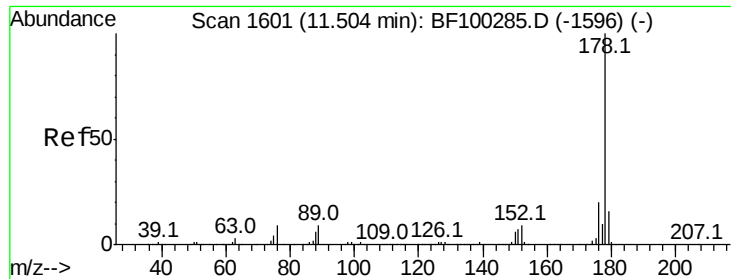
Abundance

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

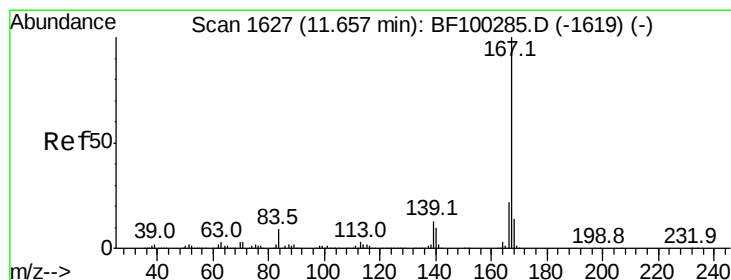
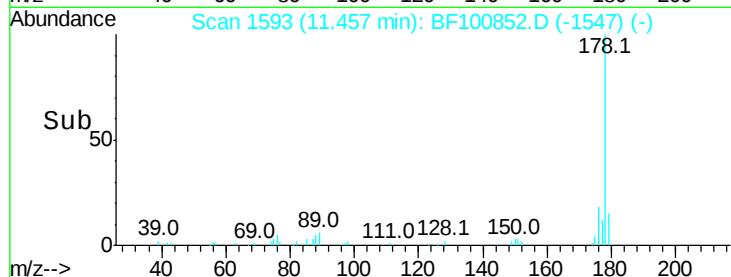
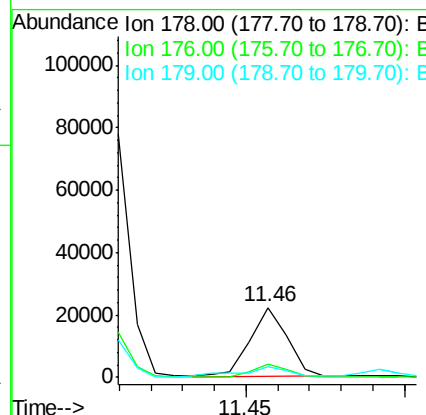
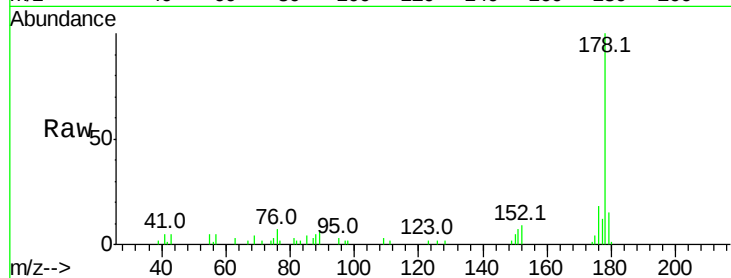




#71
 Anthracene
 Concen: 1.396 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

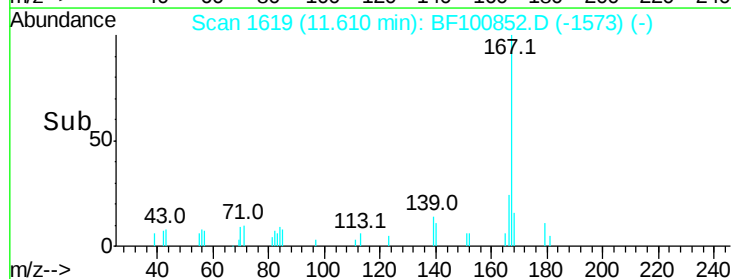
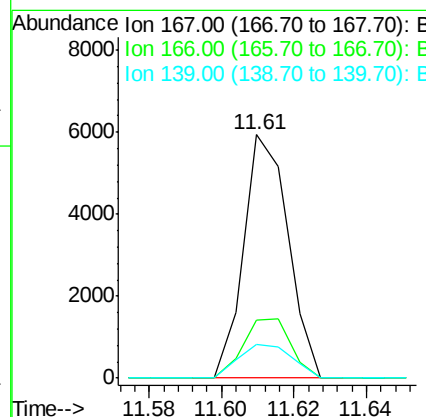
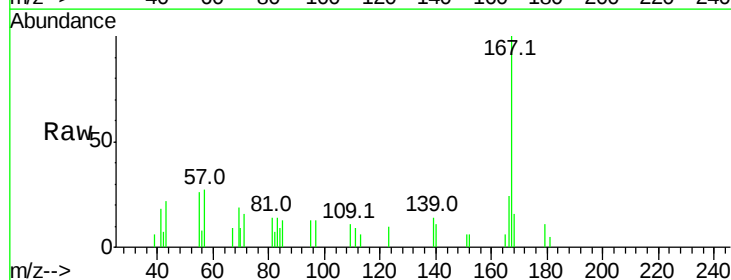
Instrument :
 BNA_F
 ClientSampleId :

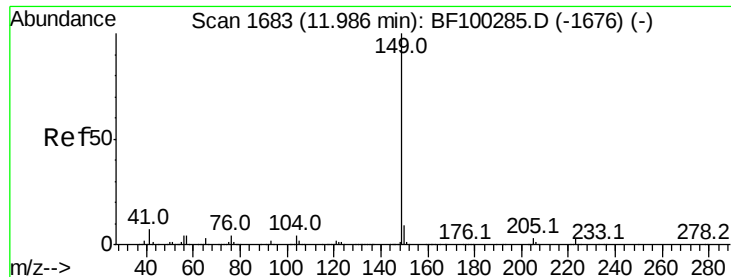
Tot Ion:178 Resp: 17760
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 14.9 12.6 19.0



#72
 Carbazole
 Concen: 0.429 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion:167 Resp: 5034
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.6 26.4
 139 13.6 10.9 16.3

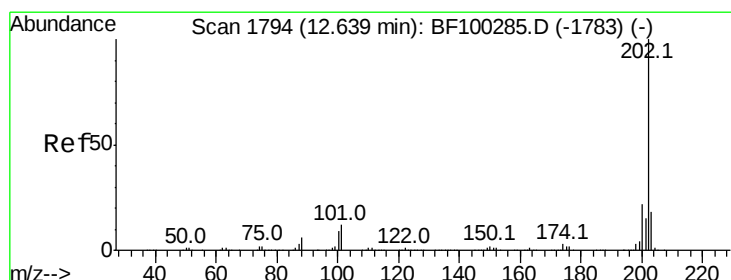
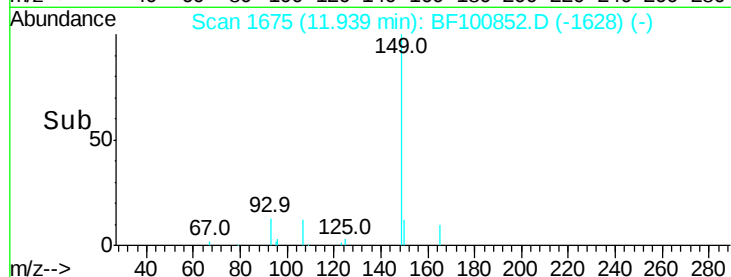
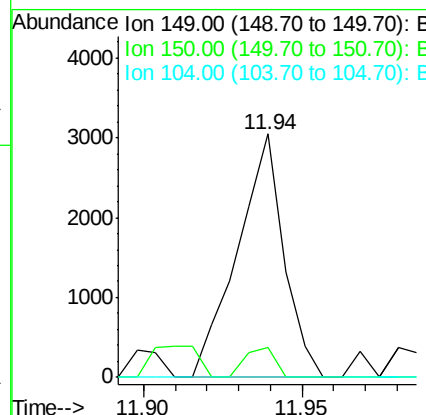
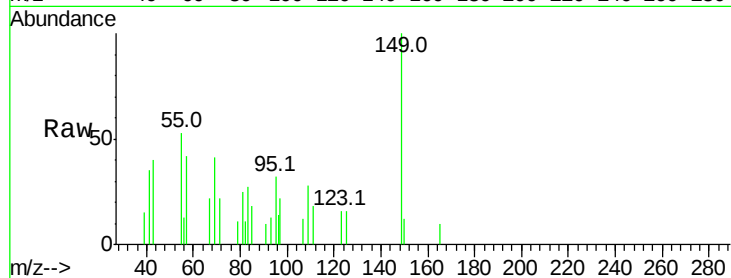




#73
Di-n-butylphthalate
Concen: 0.225 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

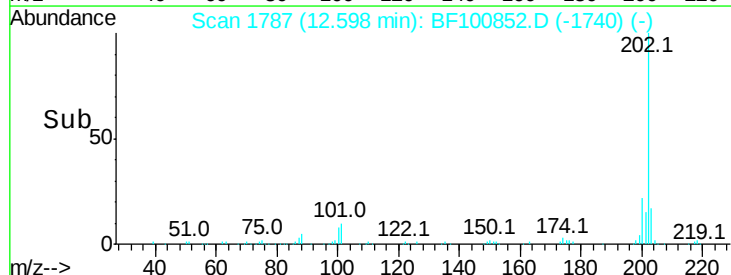
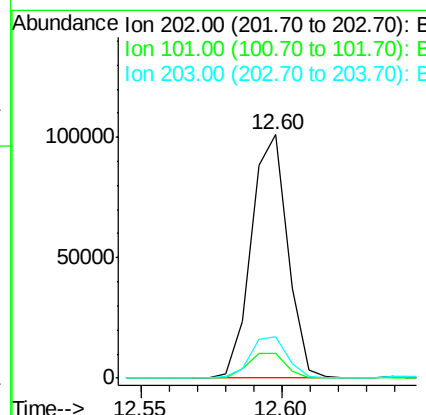
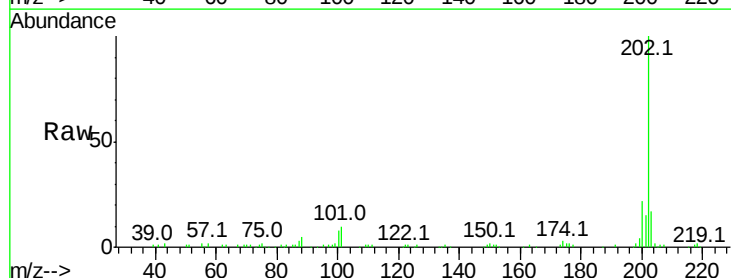
Instrument :
BNA_F
ClientSampleId :

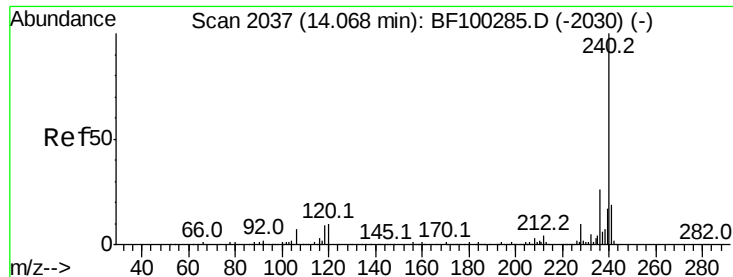
Tot Ion:149 Resp: 3086
Ion Ratio Lower Upper
149 100
150 12.1 7.8 11.6#
104 0.0 3.8 5.8#



#74
Fluoranthene
Concen: 6.809 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion:202 Resp: 90476
Ion Ratio Lower Upper
202 100
101 10.1 0.0 34.1
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampled :

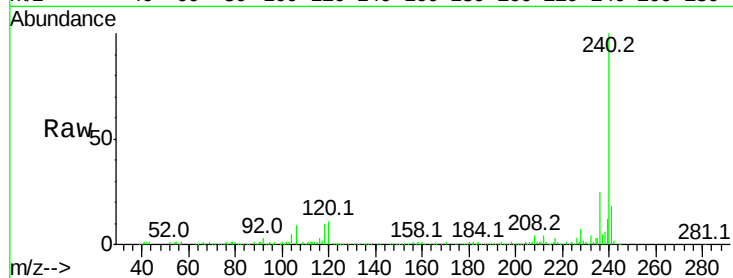
Tot Ion:240 Resp: 171570

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

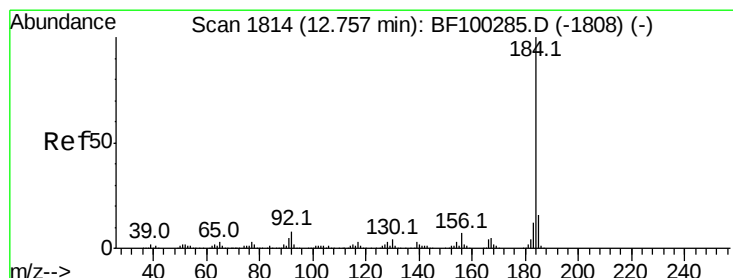
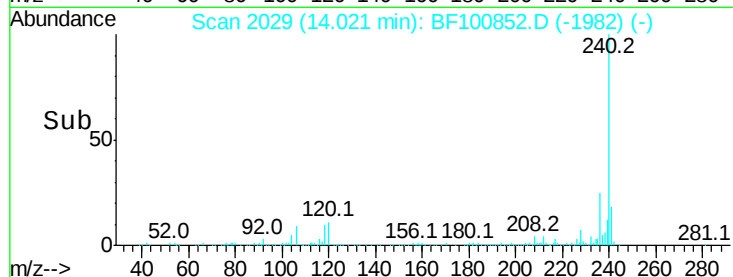
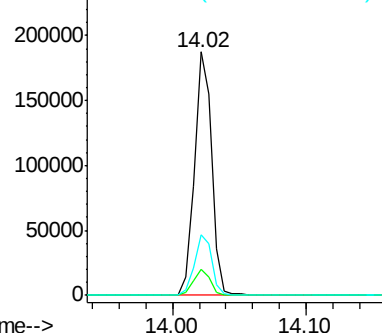
236 24.9 20.7 31.1



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



#76

Benzidine

Concen: 0.639 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.23 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

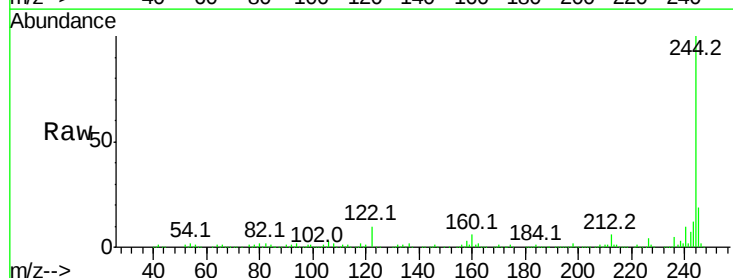
Tgt Ion:184 Resp: 4394

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

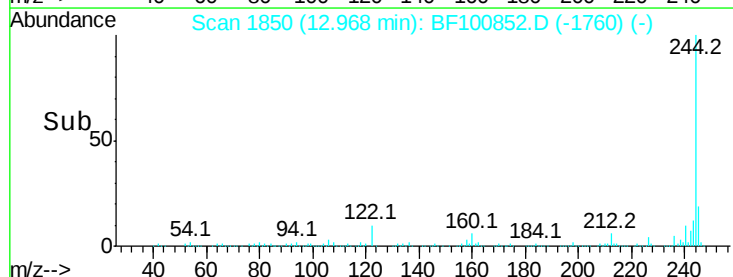
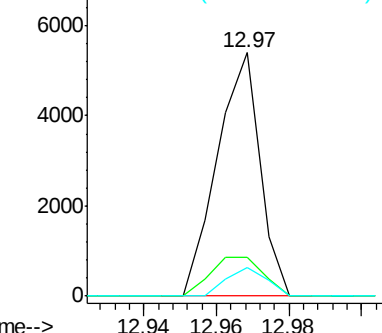
183 11.6 9.3 13.9

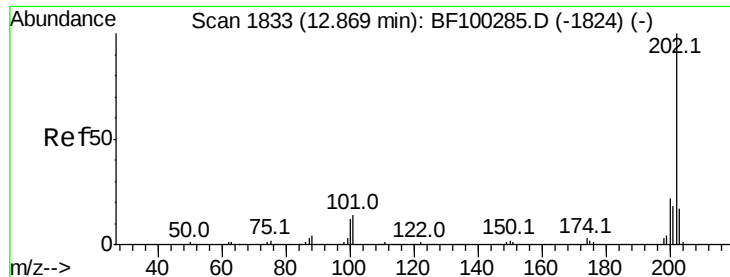


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.928 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

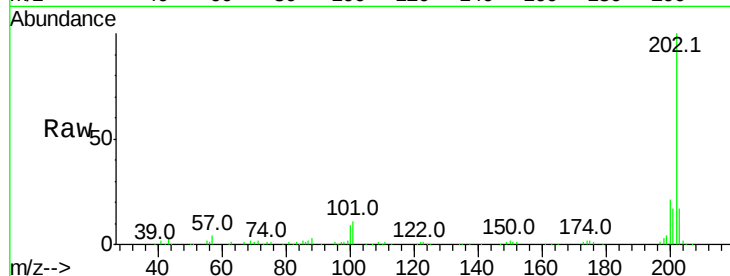
Tot Ion:202 Resp: 84730

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

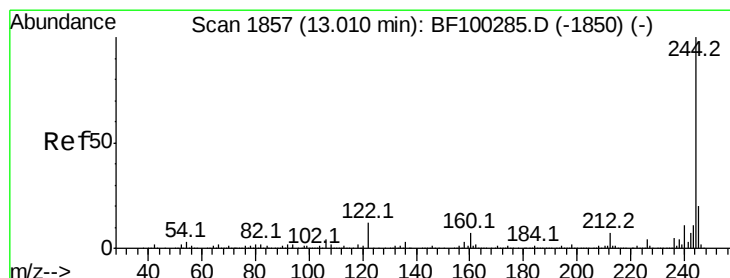
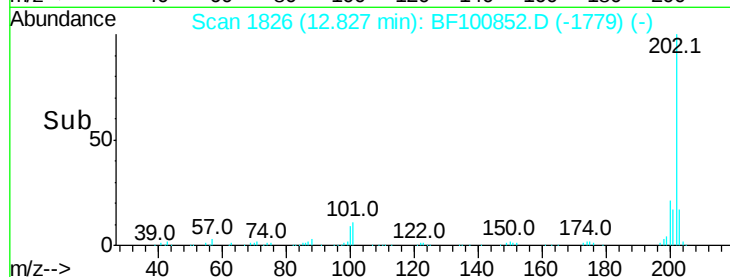
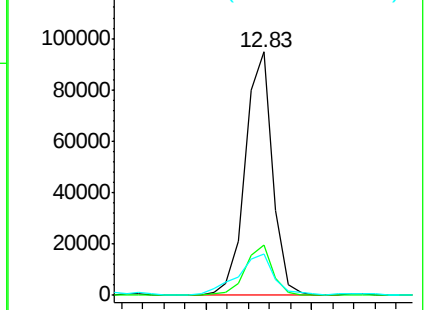
203 16.9 14.3 21.5



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



#78

Terphenyl-d14

Concen: 52.242 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

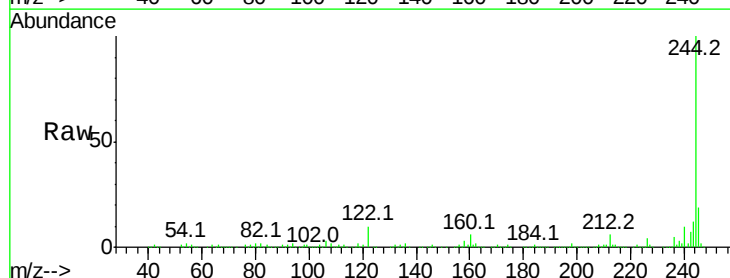
Tgt Ion:244 Resp: 390093

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

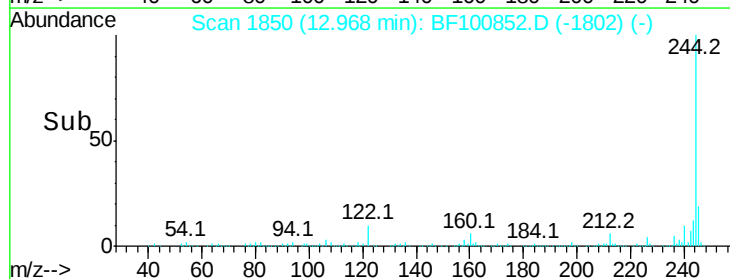
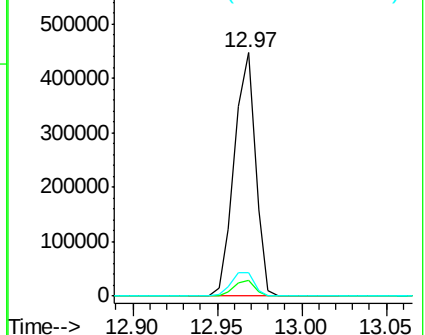
122 9.9 11.0 16.4#

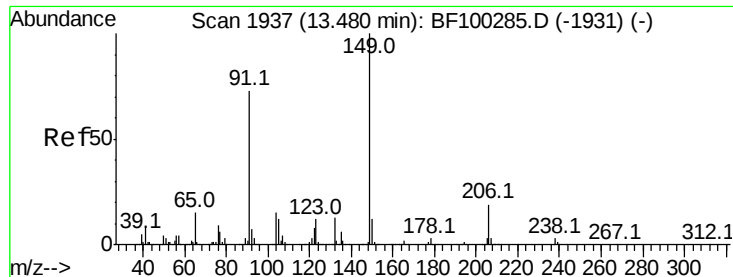


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

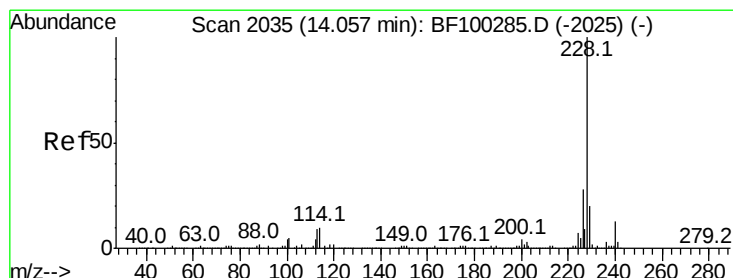
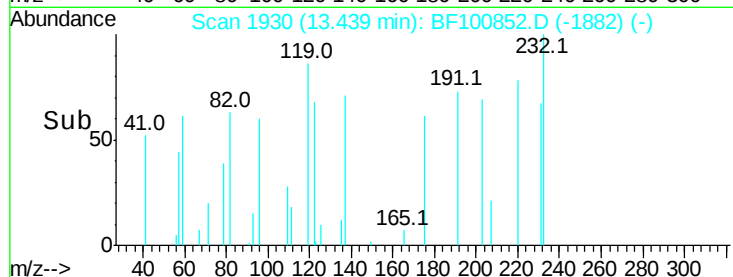
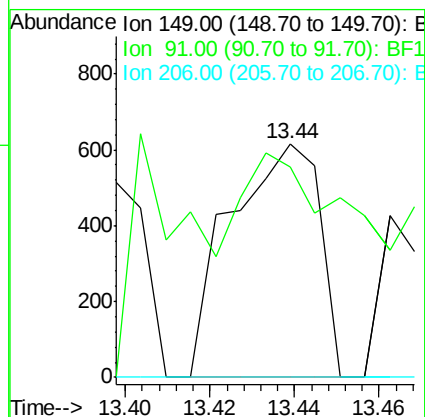
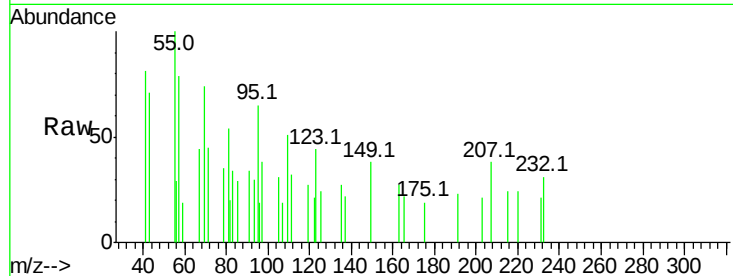




#79
Butylbenzylphthalate
Concen: 0.182 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

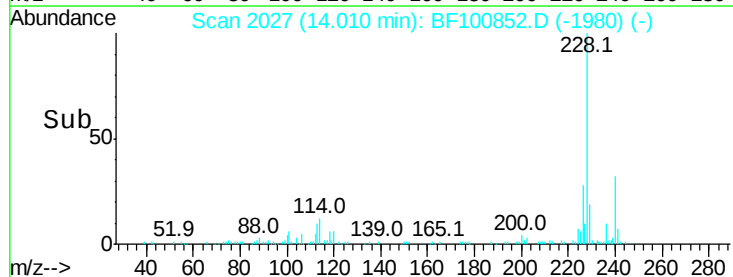
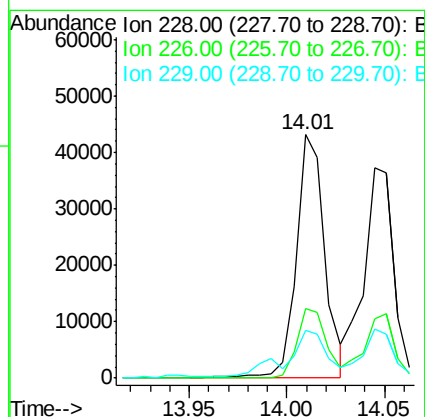
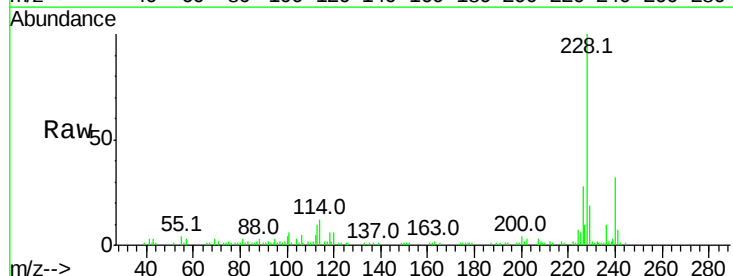
Instrument :
BNA_F
ClientSampled :

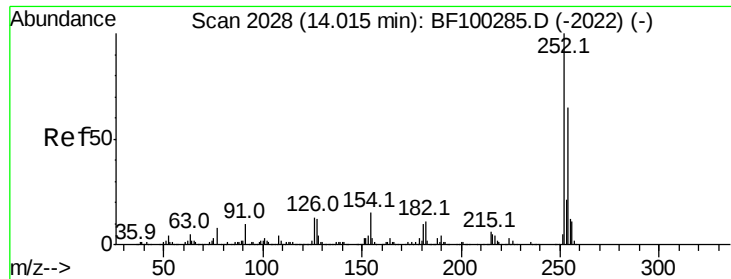
Tot Ion:149 Resp: 907
Ion Ratio Lower Upper
149 100
91 90.1 56.8 85.2#
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 4.208 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF100852.D
Acq: 23 Nov 2017 4:21

Tgt Ion:228 Resp: 43479
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 19.4 15.8 23.6

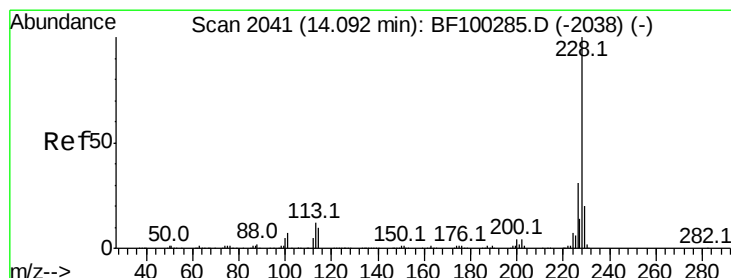
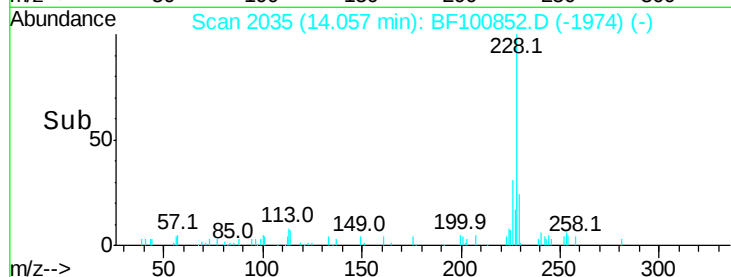
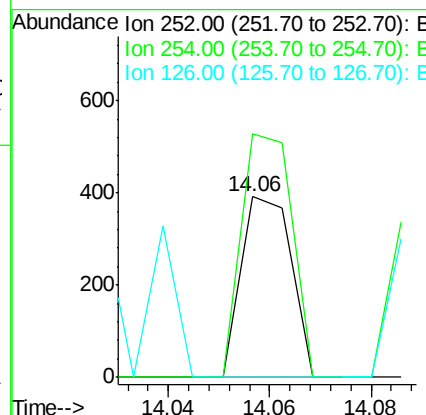
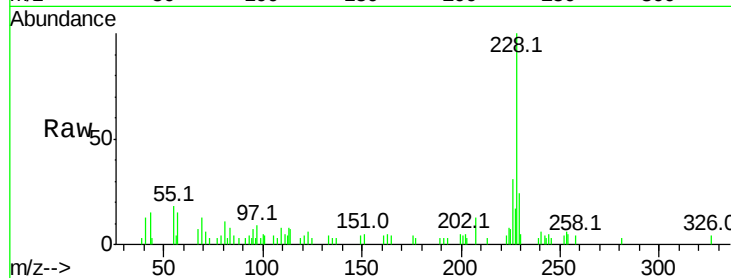




#81
 3,3'-Dichlorobenzidine
 Concen: 0.072 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.06 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

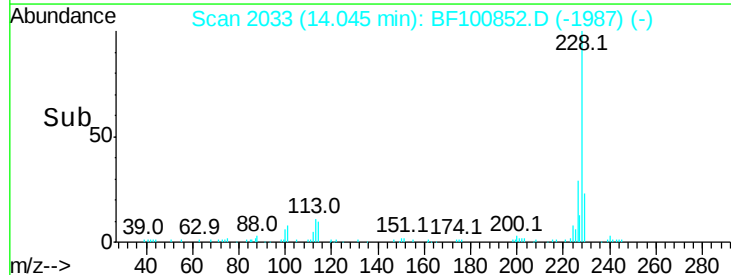
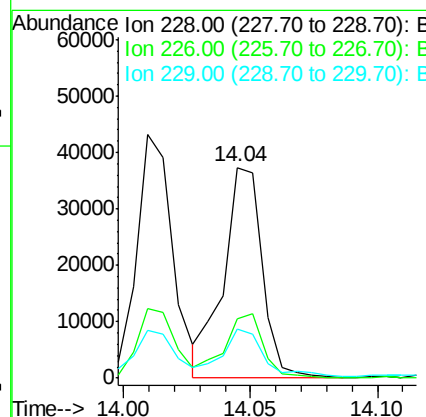
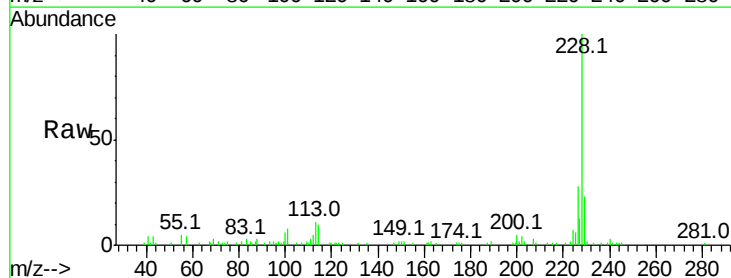
Instrument :
 BNA_F
 ClientSampleId :

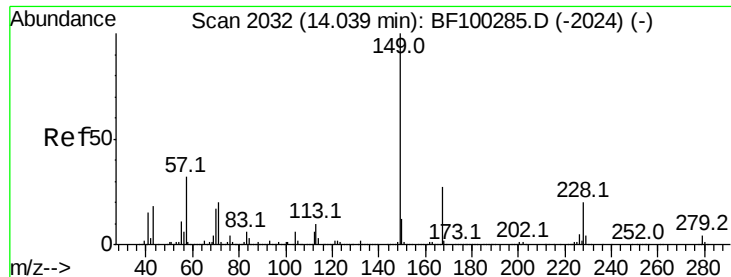
Tot Ion:252 Resp: 268
 Ion Ratio Lower Upper
 252 100
 254 135.0 50.4 75.6#
 126 0.0 11.3 16.9#



#82
 Chrysene
 Concen: 3.979 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.03 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion:228 Resp: 39812
 Ion Ratio Lower Upper
 228 100
 226 28.1 25.0 37.6
 229 23.2 16.2 24.4

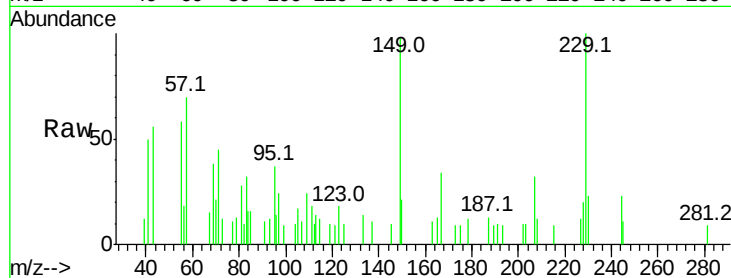




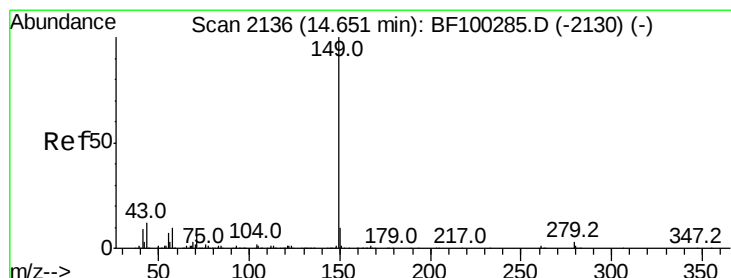
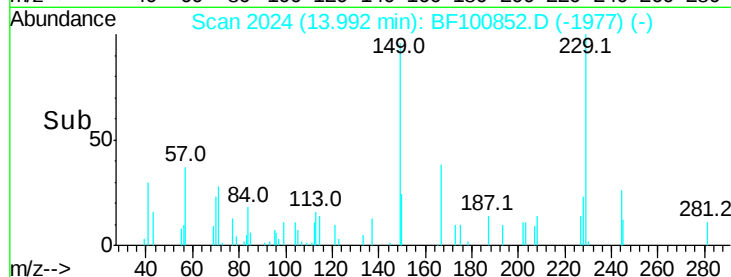
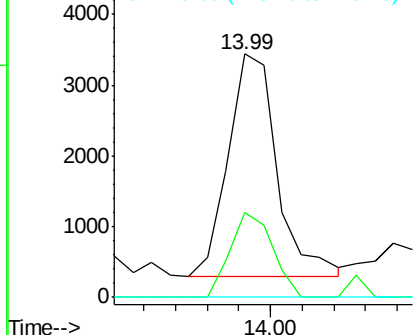
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.509 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 3336
 Ion Ratio Lower Upper
 149 100
 167 34.8 21.3 31.9#
 279 0.0 3.0 4.4#

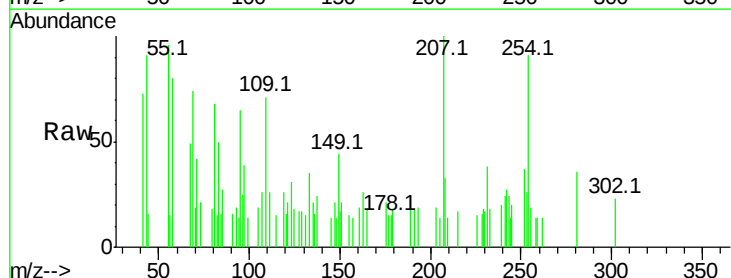


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

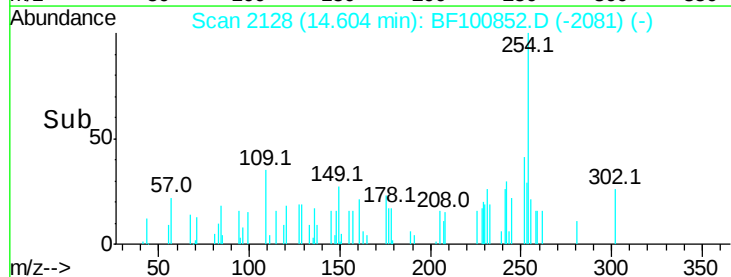
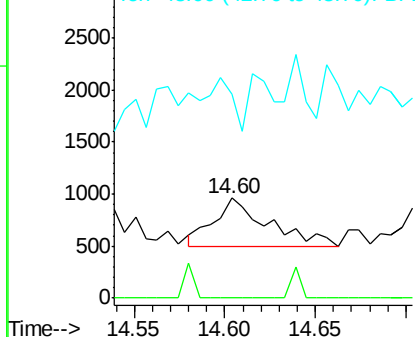


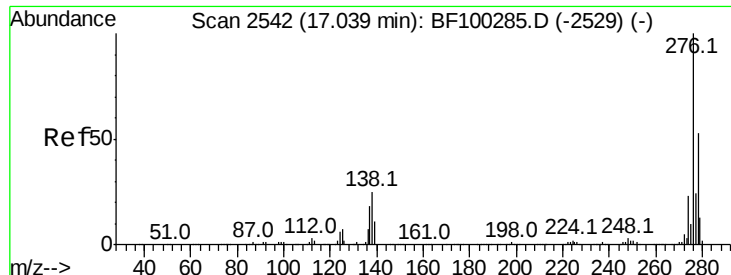
#84
 Di-n-octyl phthalate
 Concen: 0.088 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion:149 Resp: 997
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 45.8 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

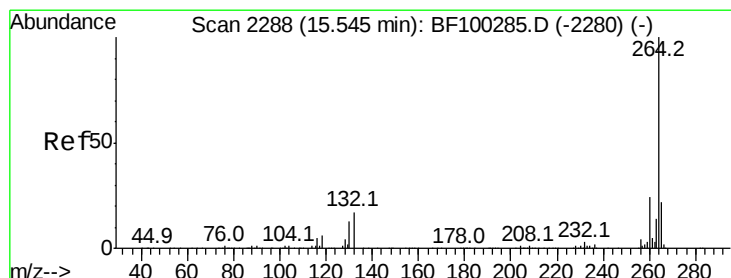
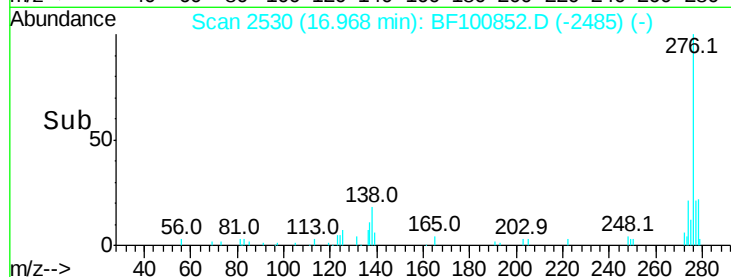
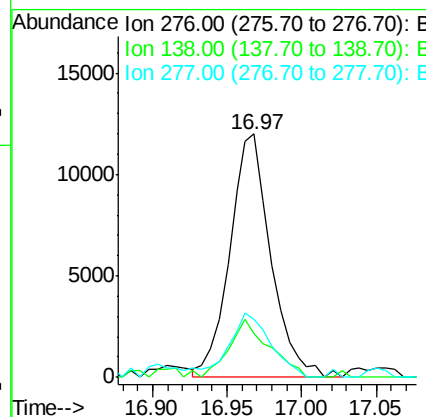
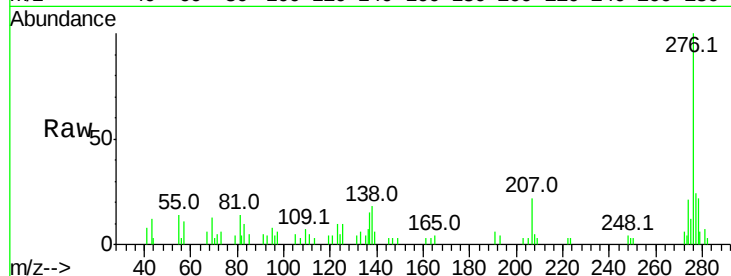




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.834 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.04 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

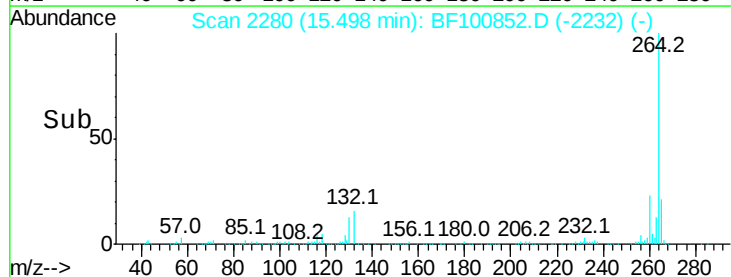
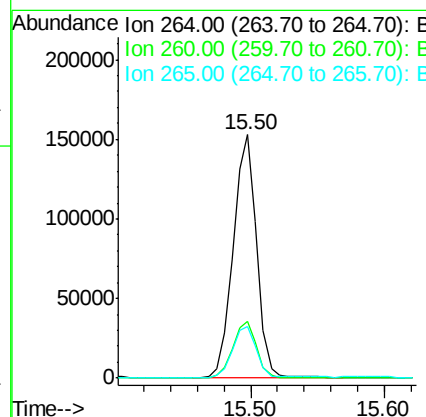
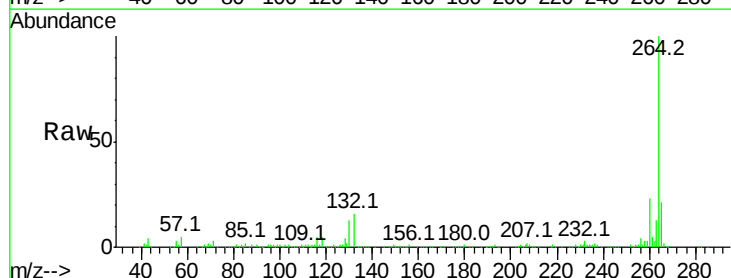
Instrument :
 BNA_F
 ClientSampleId :

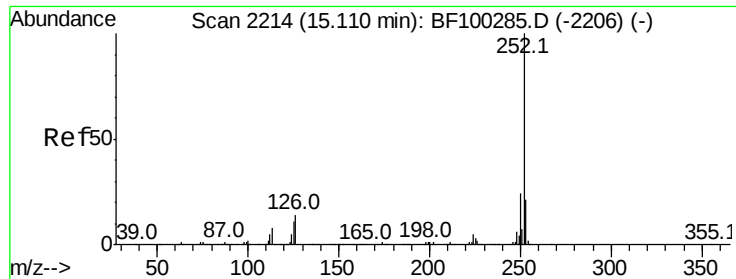
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	26.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.402 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF100852.D

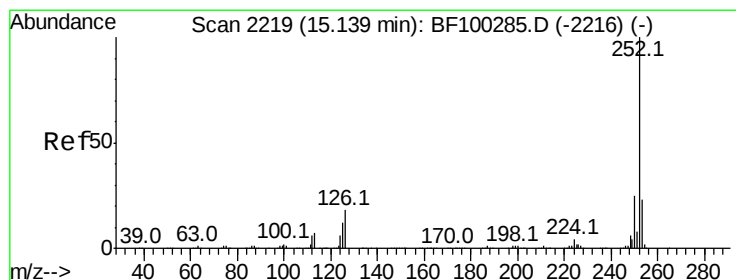
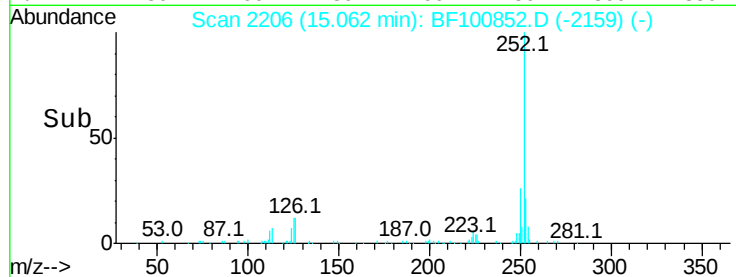
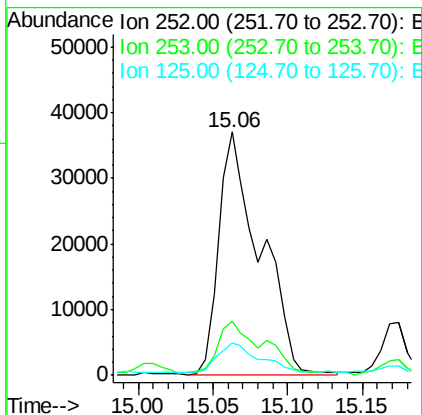
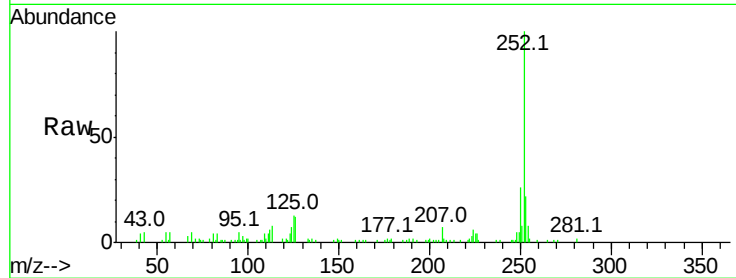
Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	71879
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.0 25.6
125	13.4	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 6.775 ng

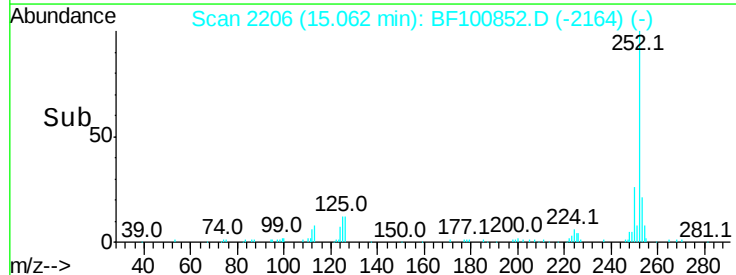
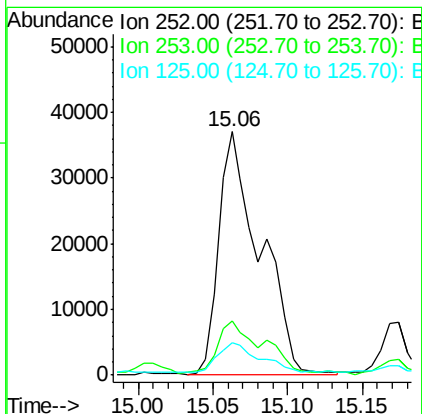
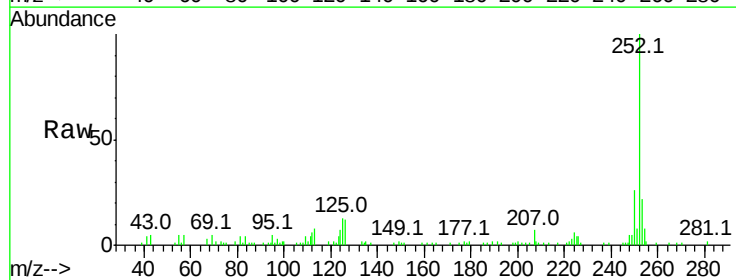
RT: 15.06 min Scan# 2206

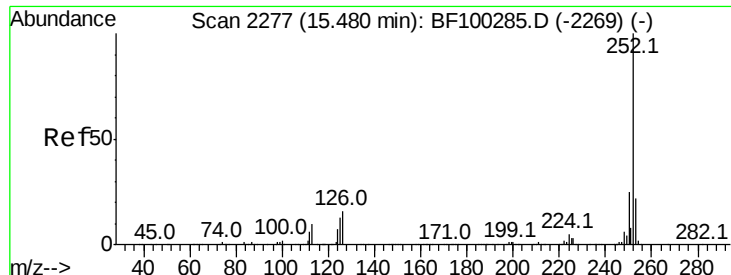
Delta R.T. -0.05 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Tgt Ion:252	Resp:	71879
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.9 26.9
125	13.4	10.2 15.2





#89

Benzo(a)pyrene

Concen: 4.063 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.03 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

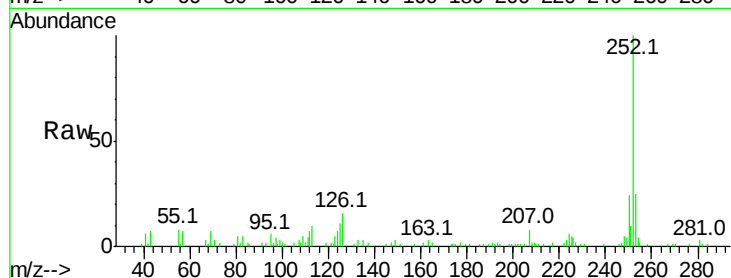
Tot Ion:252 Resp: 40443

Ion Ratio Lower Upper

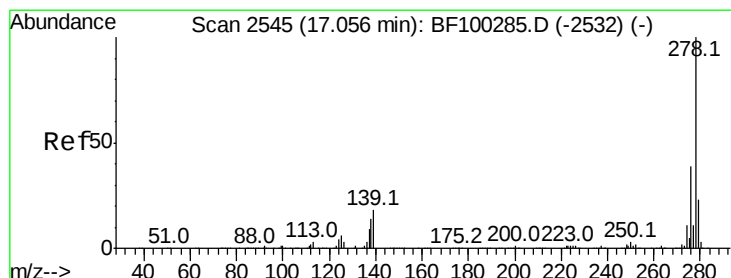
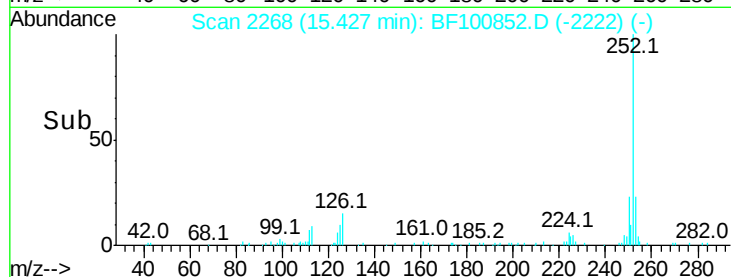
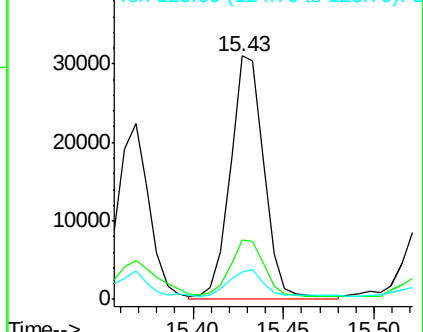
252 100

253 24.6 17.1 25.7

125 11.4 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 0.841 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.05 min

Lab File: BF100852.D

Acq: 23 Nov 2017 4:21

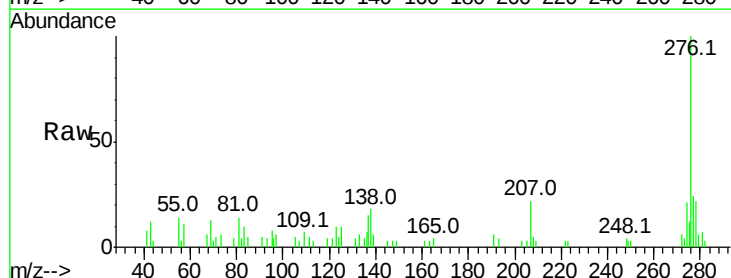
Tgt Ion:278 Resp: 6850

Ion Ratio Lower Upper

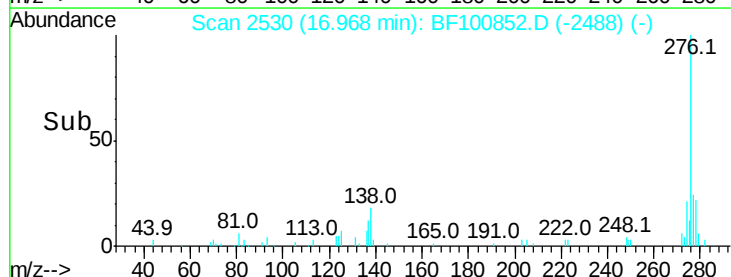
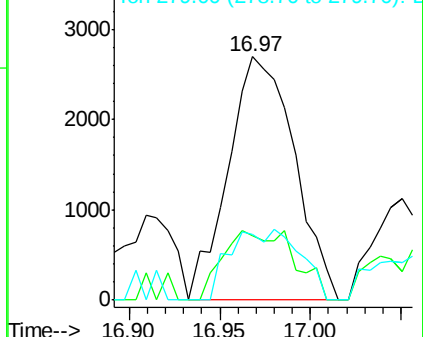
278 100

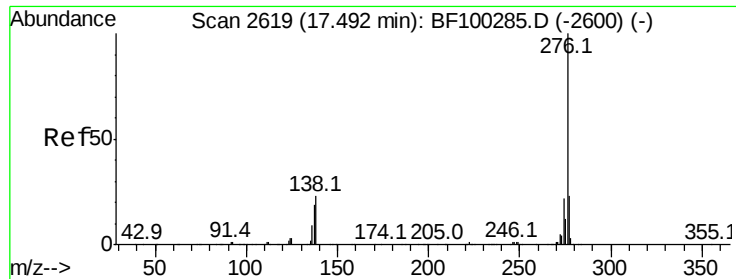
139 26.4 15.9 23.9#

279 26.9 19.0 28.4



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

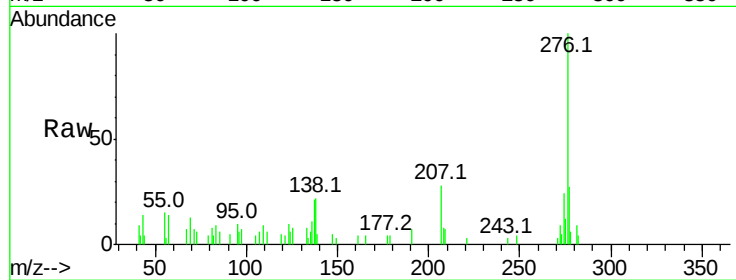




#91
 Benzo(a,h,i)perylene
 Concen: 2.700 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.05 min
 Lab File: BF100852.D
 Acq: 23 Nov 2017 4:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	21.5	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

