

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100844.D
 Acq On : 23 Nov 2017 00:48
 Operator : SJ/JU
 Sample : I6548-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:42:46 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	82263	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	327951	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	148332	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	270813	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	160667	20.00	ng	-0.02
86) Perylene-d12	15.50	264	182610	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	428723	83.54	ng	0.00
7) Phenol-d6	6.49	99	532059	84.08	ng	-0.02
23) Nitrobenzene-d5	7.42	82	335464	67.63	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	134615	89.06	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	628955	64.57	ng	-0.02
78) Terphenyl-d14	12.97	244	472999	67.64	ng	-0.02

Target Compounds

						Qvalue
6) Aniline	6.50	93	347	0.039	ng	# 1
9) Benzaldehyde	6.49	77	862	0.191	ng	# 1
10) Phenol	6.50	94	18028	2.714	ng	99
11) bis(2-Chloroethyl)ether	6.63	93	656	0.118	ng	# 1
15) Benzyl Alcohol	7.02	79	5046	1.022	ng	# 37
16) 2,2'-oxybis(1-Chloropropan	6.92	45	109	0.012	ng	70
19) n-Nitroso-di-n-propylamine	7.42	70	43234	9.851	ng	# 81
22) Acetophenone	7.26	105	117	0.015	ng	# 54
24) Nitrobenzene	7.42	77	804	0.157	ng	# 38
25) Isophorone	7.42	82	335459	32.182	ng	# 64
31) Naphthalene	8.16	128	7193	0.455	ng	98
33) 4-Chloroaniline	8.16	127	866	0.132	ng	# 25
37) 2-Methylnaphthalene	8.85	142	2388	0.228	ng	100
45) 1,1'-Biphenyl	9.32	154	2557	0.199	ng	89
47) 2-Nitroaniline	9.60	65	421	2.928	ng	# 1
48) Acenaphthylene	9.76	152	3860	0.250	ng	# 89
49) Dimethylphthalate	9.61	163	56224	4.964	ng	99
50) 2,6-Dinitrotoluene	9.60	165	632	0.282	ng	# 12
51) Acenaphthene	9.93	154	7230	0.771	ng	98
54) Dibenzofuran	10.10	168	5773	0.439	ng	94
55) 4-Nitrophenol	10.10	139	2080	0.968	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	18521	6.549	ng	# 22
57) Fluorene	10.44	166	7324	0.760	ng	# 89
59) Diethylphthalate	10.30	149	7558	0.667	ng	99
62) Azobenzene	10.60	77	135	0.013	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.69	198	144	8.657	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	309	0.033	ng	# 65
66) 4-Bromophenyl-phenylether	10.69	248	8125	2.799	ng	# 1
70) Phenanthrene	11.41	178	162949	11.428	ng	98
71) Anthracene	11.46	178	32558	2.251	ng	99
72) Carbazole	11.61	167	9479	0.710	ng	99
73) Di-n-butylphthalate	11.94	149	4753	0.304	ng	# 94
74) Fluoranthene	12.60	202	253844	16.798	ng	96
76) Benzidine	12.97	184	5274	0.820	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

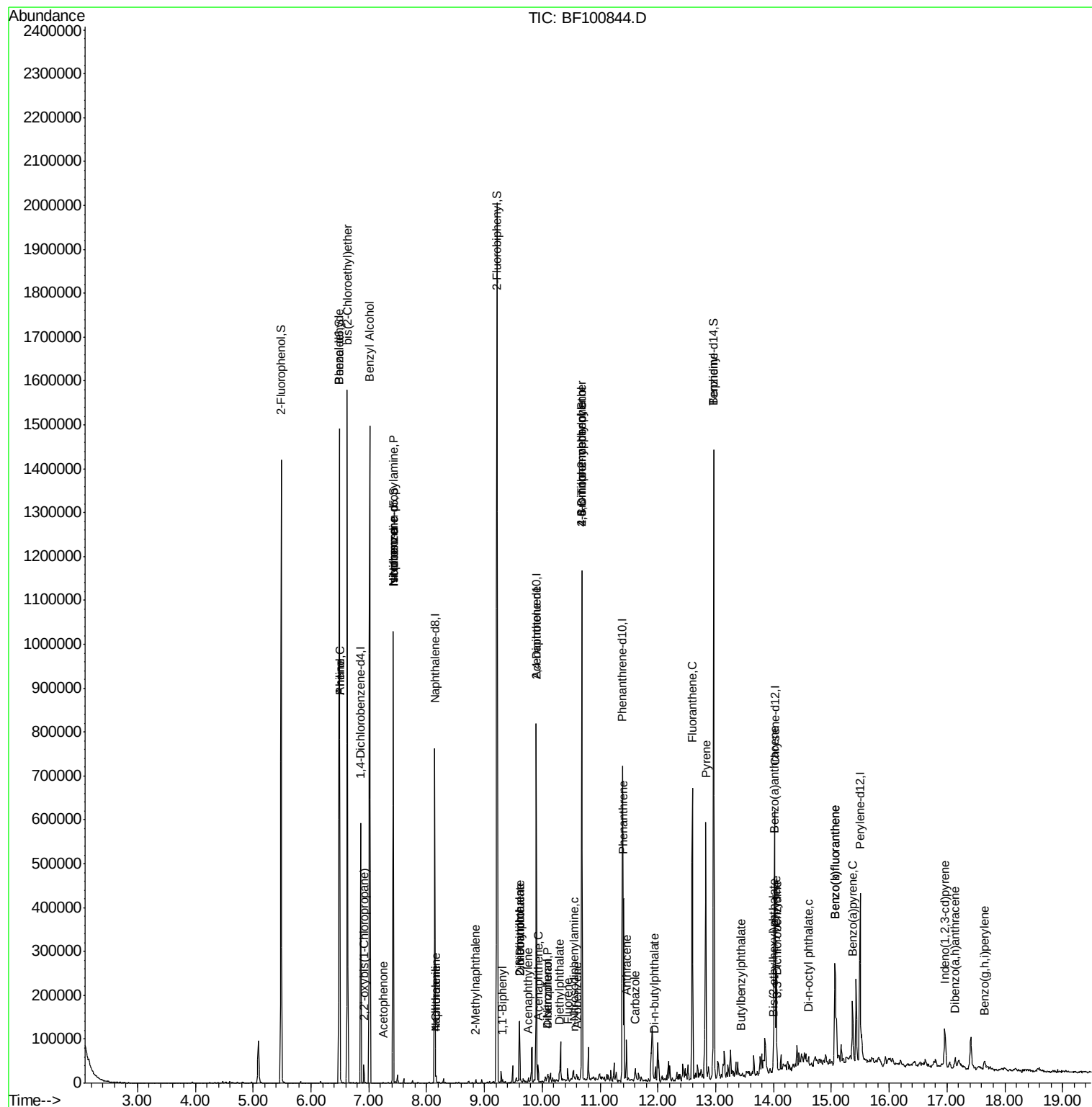
77) Pyrene	12.83	202	226389	19.767	nq	98
79) Butylbenzylphthalate	13.44	149	660	0.141	nq #	83
80) Benzo(a)anthracene	14.01	228	96540	9.978	nq	99
81) 3,3'-Dichlorobenzidine	14.06	252	921	0.266	nq #	16
82) Chrysene	14.05	228	90827	9.694	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	2113	0.344	nq #	98
84) Di-n-octyl phthalate	14.61	149	1527	0.145	nq #	1
85) Indeno(1,2,3-cd)pyrene	16.96	276	61420	8.105	nq #	88
87) Benzo(b)fluoranthene	15.06	252	165986	15.343	nq	98
88) Benzo(k)fluoranthene	15.06	252	165986	16.238	nq	98
89) Benzo(a)pyrene	15.37	252	61742	6.437	nq	99
90) Dibenzo(a,h)anthracene	17.14	278	12178	1.553	nq	93
91) Benzo(a,h,i)perylene	17.64	276	14782	1.925	nq	90

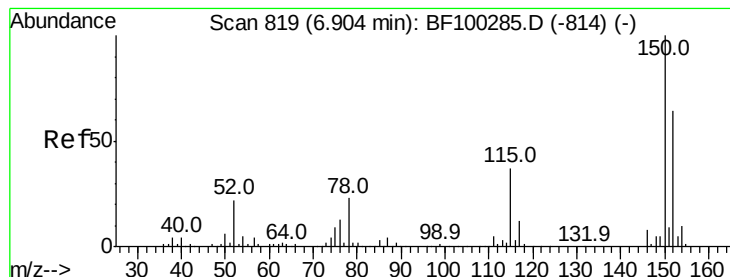
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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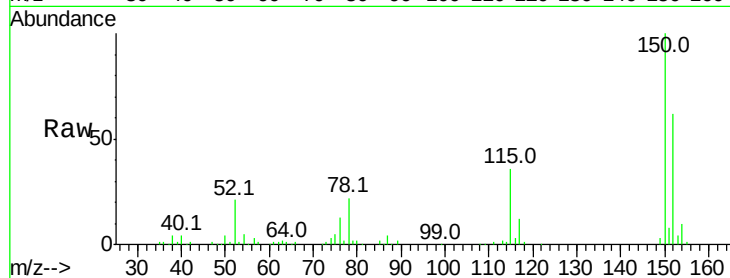


#1

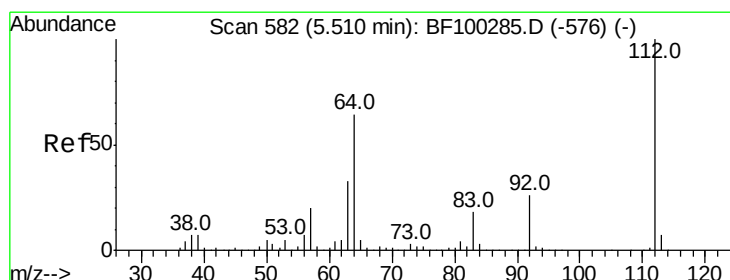
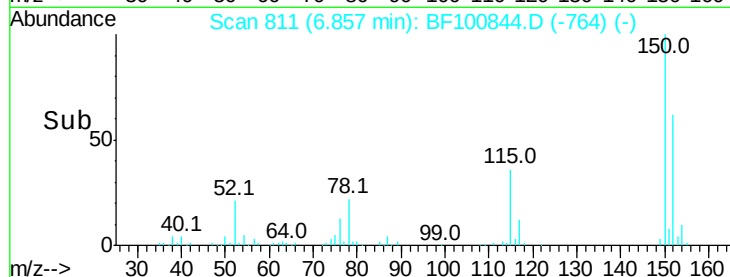
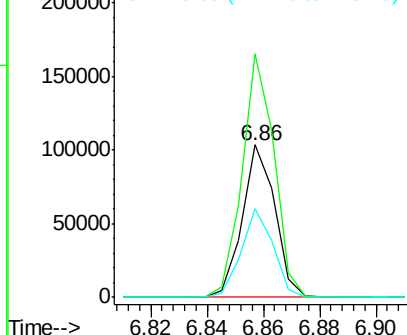
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 82263
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.6 186.8
 115 58.3 50.1 75.1



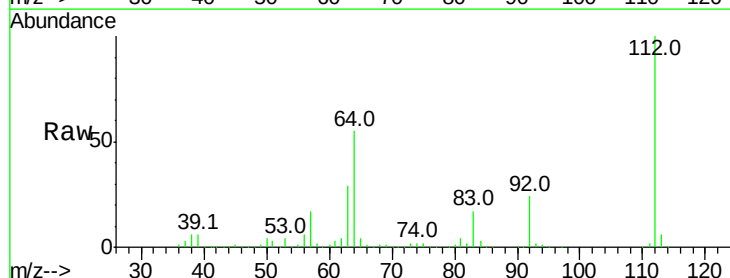
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



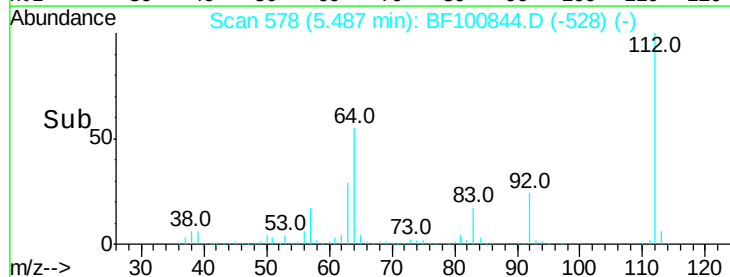
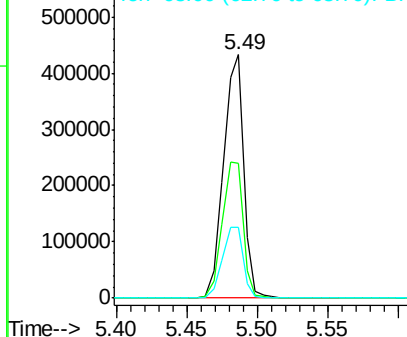
#5

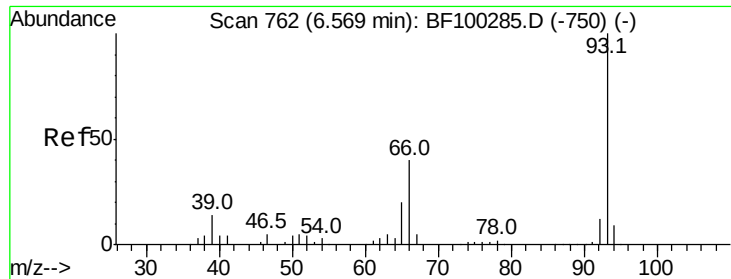
2-Fluorophenol
 Concen: 83.542 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:112 Resp: 428723
 Ion Ratio Lower Upper
 112 100
 64 55.3 47.9 71.9
 63 28.9 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: 0.039 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.05 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

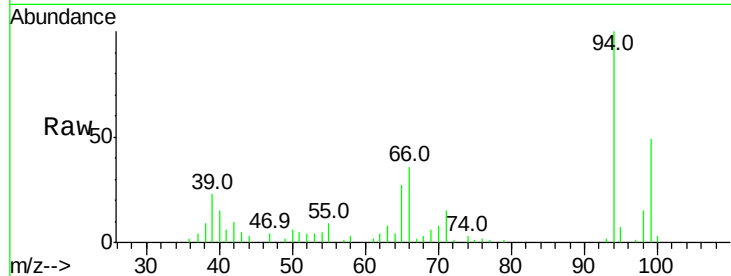
Tot Ion: 93 Resp: 347

Ion Ratio Lower Upper

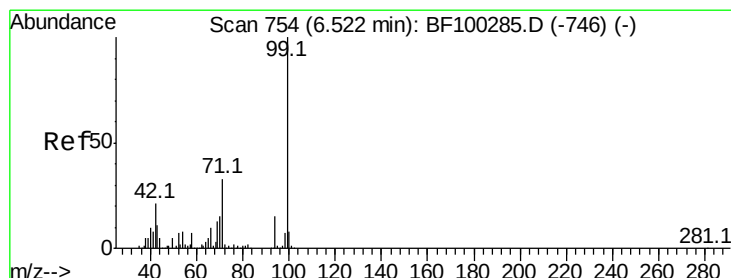
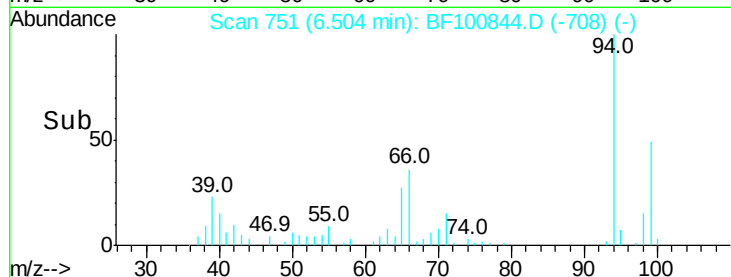
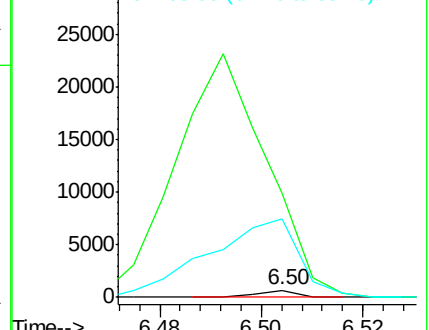
93 100

66 1473.8 32.2 48.2#

65 1105.0 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: 84.077 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

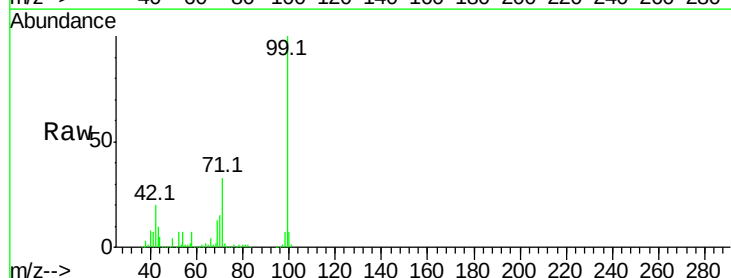
Tgt Ion: 99 Resp: 532059

Ion Ratio Lower Upper

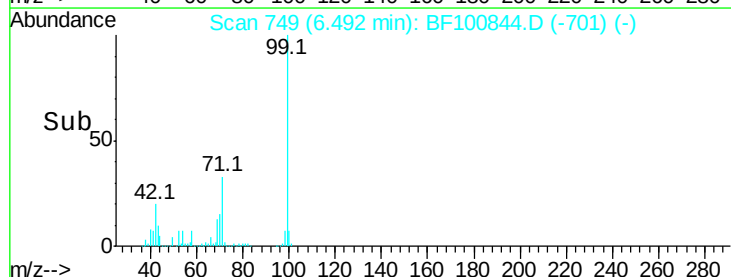
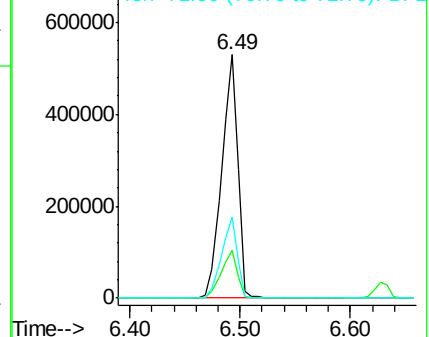
99 100

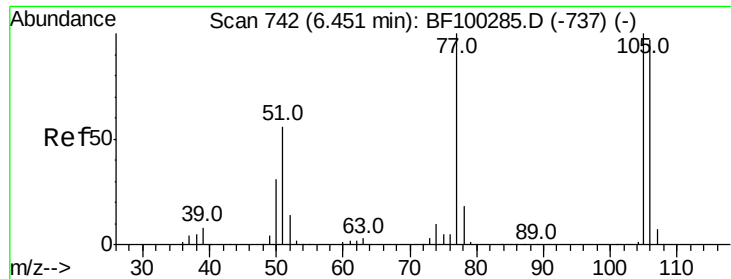
42 19.7 14.5 21.7

71 33.1 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

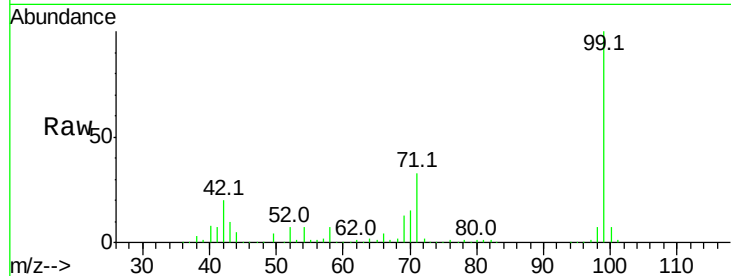




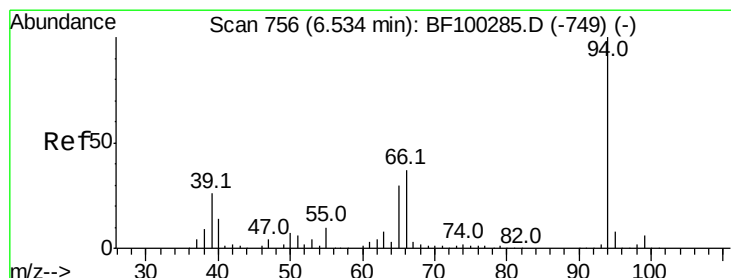
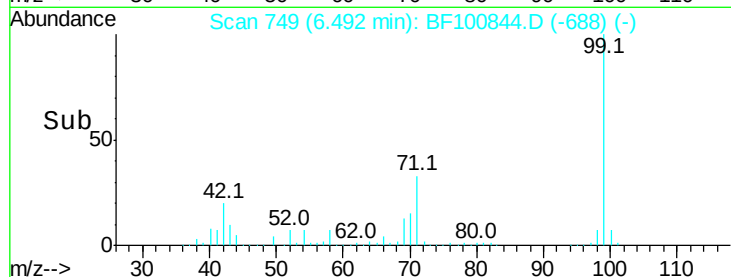
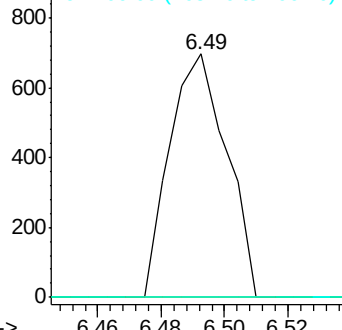
#9
Benzaldehyde
Concen: 0.191 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.06 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 862
Ion Ratio Lower Upper
77 100
105 0.0 81.1 121.1#
106 0.0 74.5 114.5#

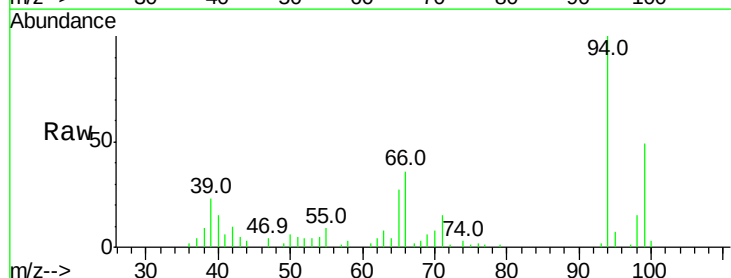


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

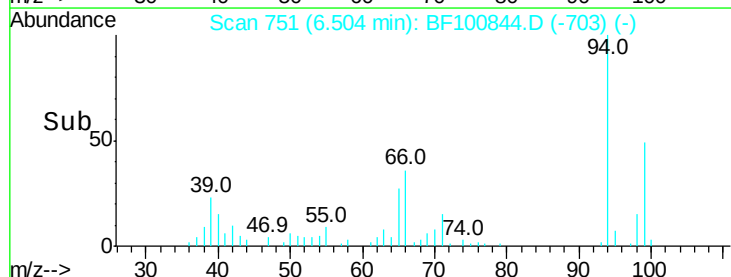
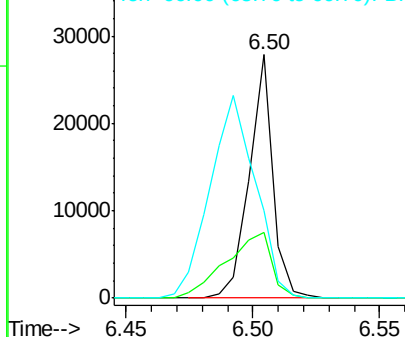


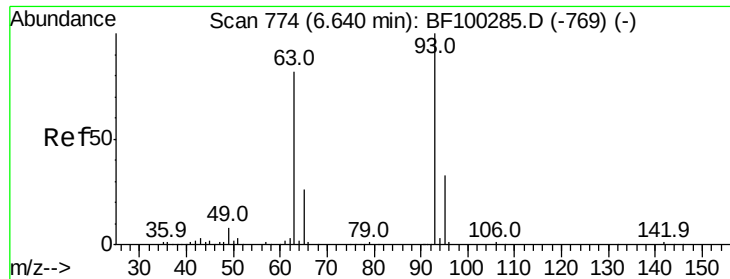
#10
Phenol
Concen: 2.714 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion: 94 Resp: 18028
Ion Ratio Lower Upper
94 100
65 26.8 7.9 47.9
66 35.7 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

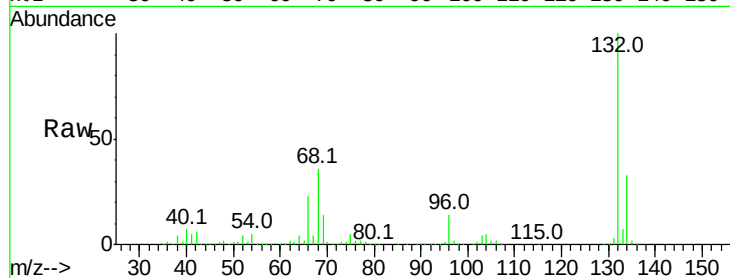




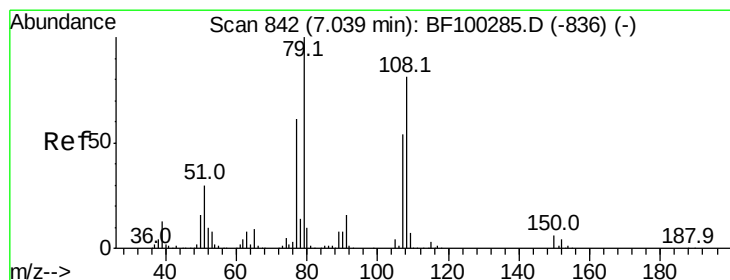
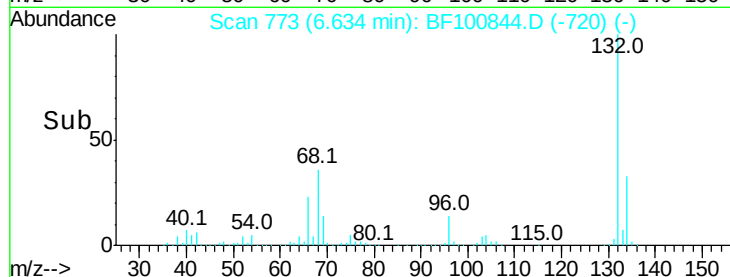
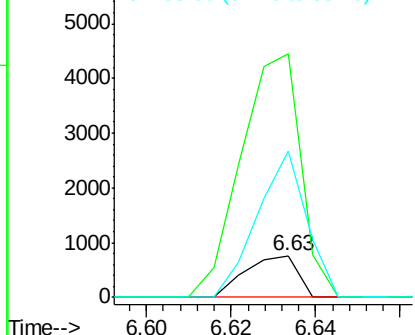
#11
bis(2-Chloroethyl)ether
Concen: 0.118 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.01 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 656
Ion Ratio Lower Upper
93 100
63 579.9 58.6 98.6#
95 348.9 11.8 51.8#

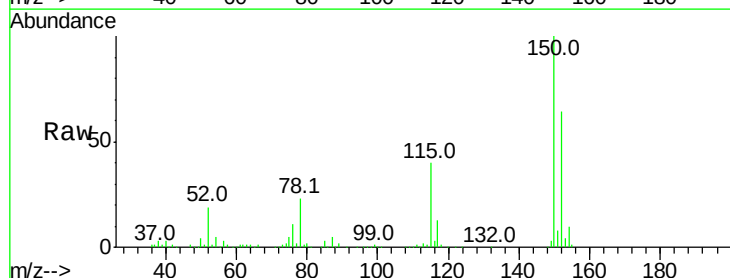


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

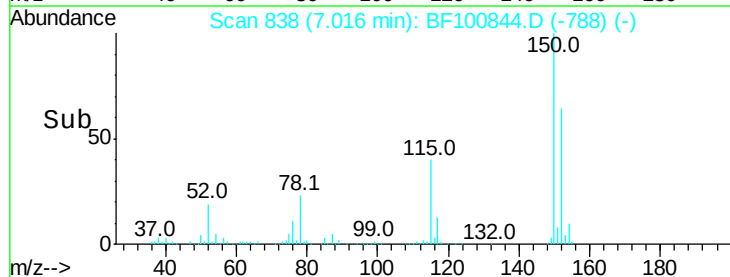
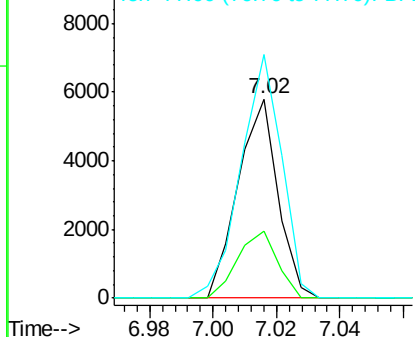


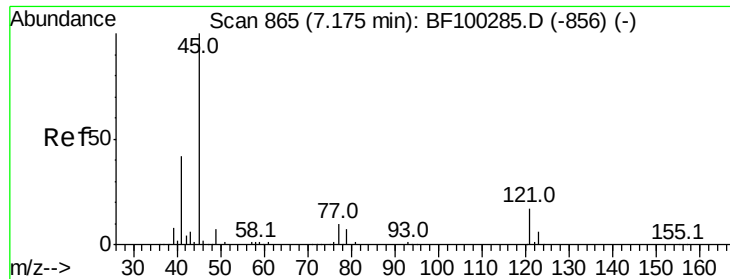
#15
Benzyl Alcohol
Concen: 1.022 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion: 79 Resp: 5046
Ion Ratio Lower Upper
79 100
108 33.7 65.1 97.7#
77 122.2 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

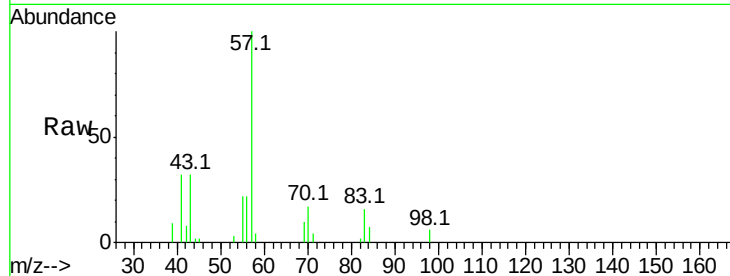




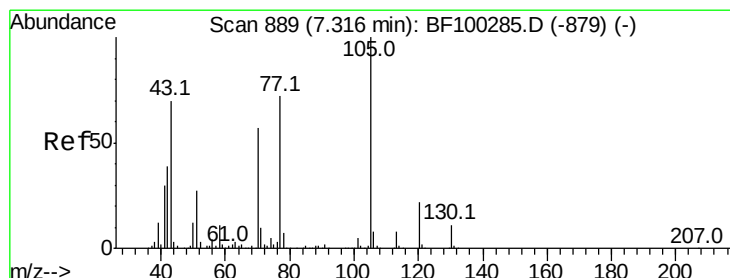
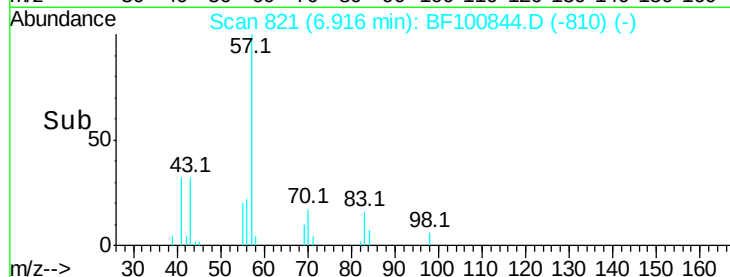
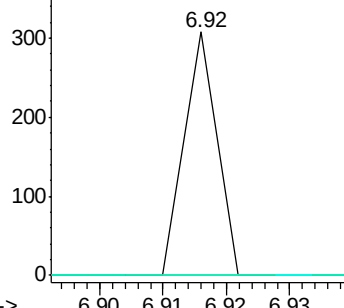
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.012 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.24 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 45 Resp: 109
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6

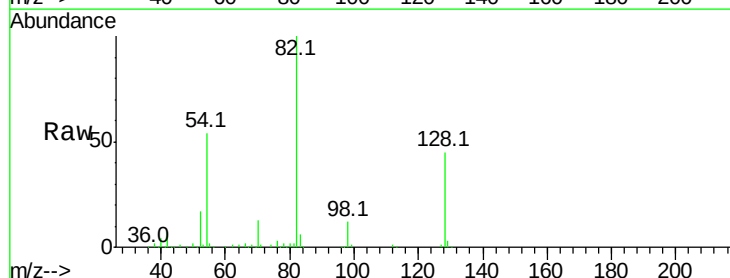


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

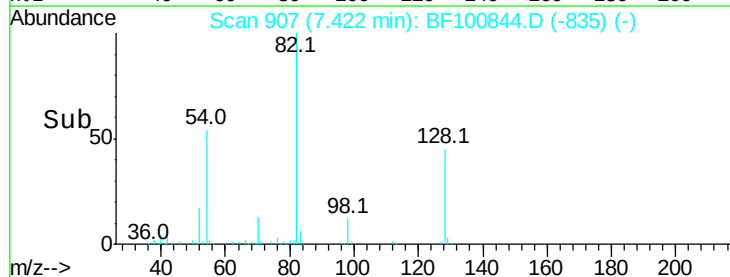
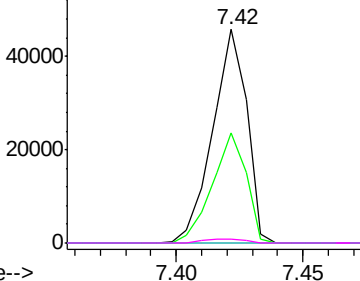


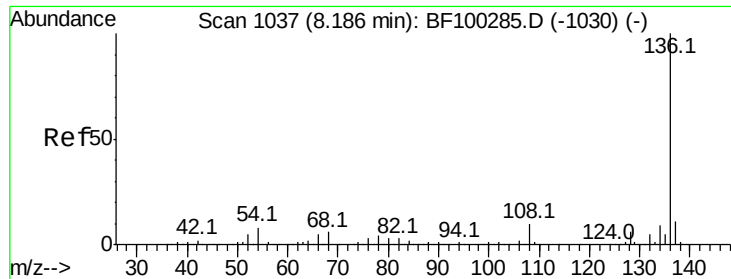
#19
n-Nitroso-di-n-propylamine
Concen: 9.851 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion: 70 Resp: 43234
Ion Ratio Lower Upper
70 100
42 51.4 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

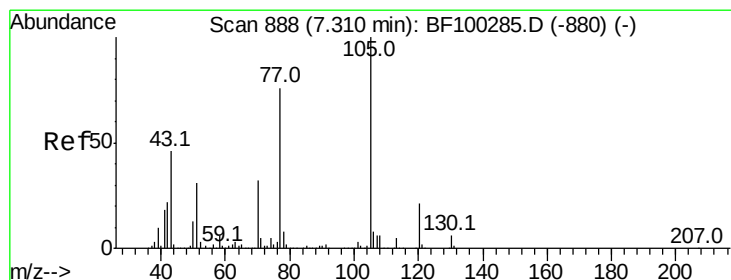
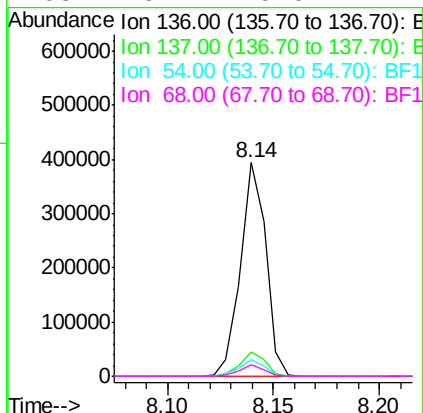
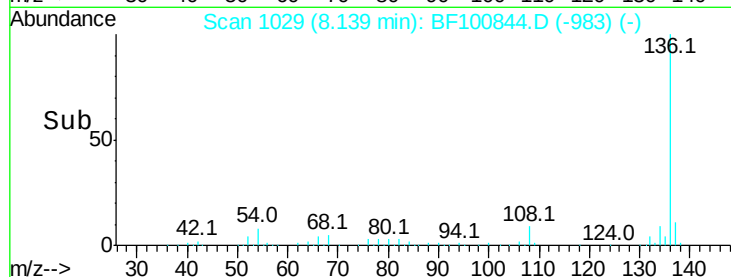
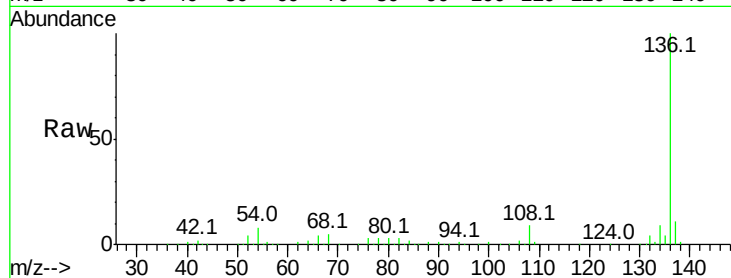




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

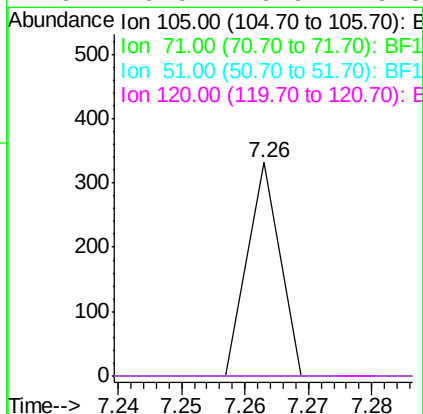
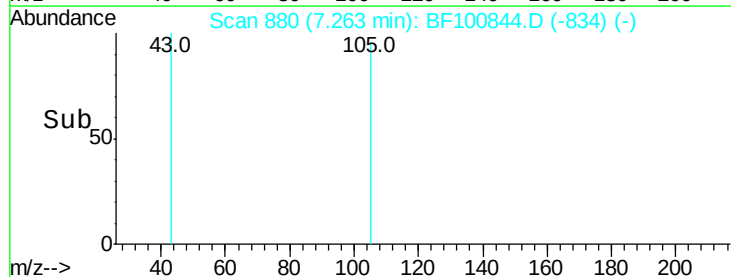
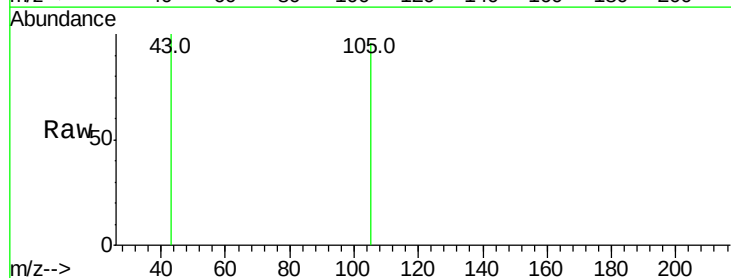
Instrument :
BNA_F
ClientSampleId :

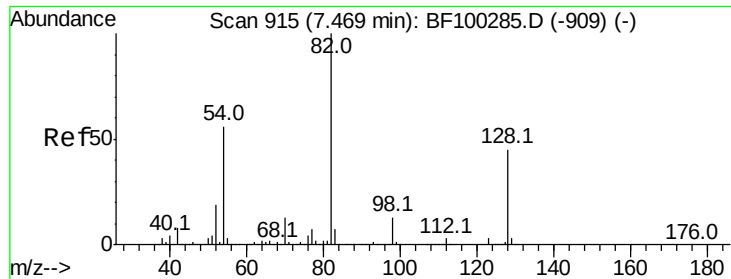
Tot Ion:	136	Resp:	327951
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	5.1	5.0	7.4



#22
Acetophenone
Concen: 0.015 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion:	105	Resp:	117
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	0.0	22.3	33.5#
120	0.0	16.9	25.3#

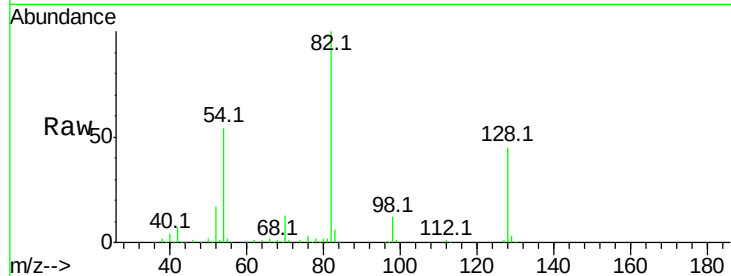




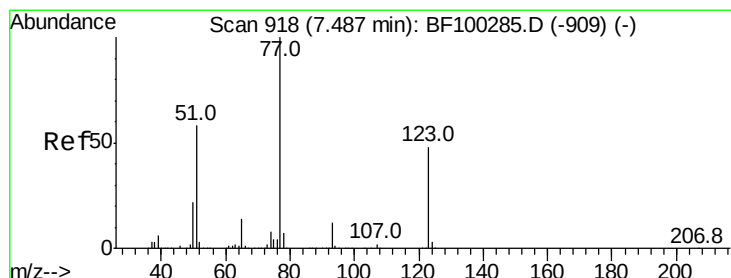
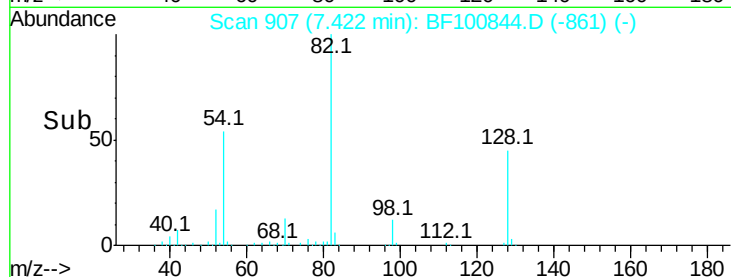
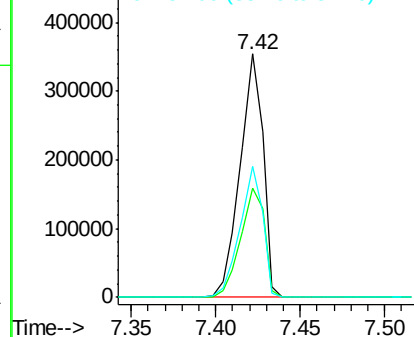
#23
Nitrobenzene-d5
Concen: 67.628 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 335464
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 53.7 41.4 62.2

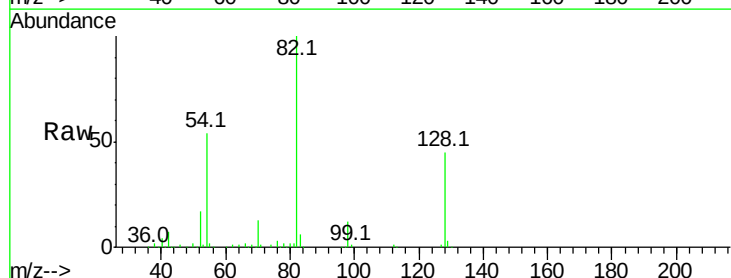


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

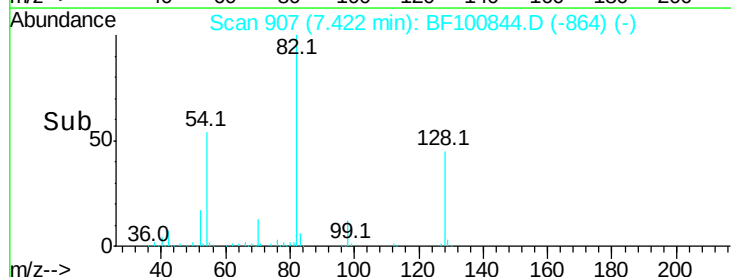
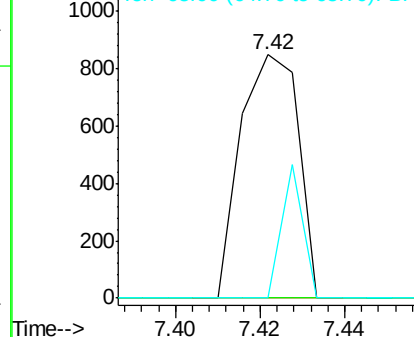


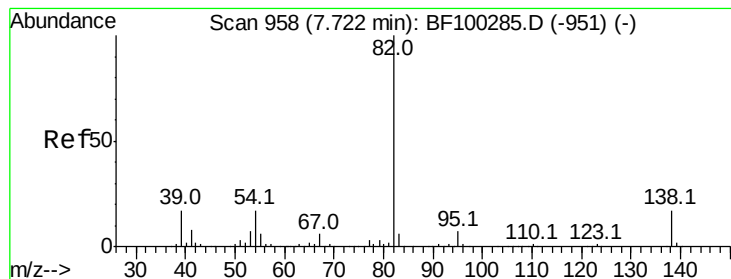
#24
Nitrobenzene
Concen: 0.157 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.05 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion: 77 Resp: 804
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 0.0 11.0 16.4#



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





#25

Isophorone

Concen: 32.182 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

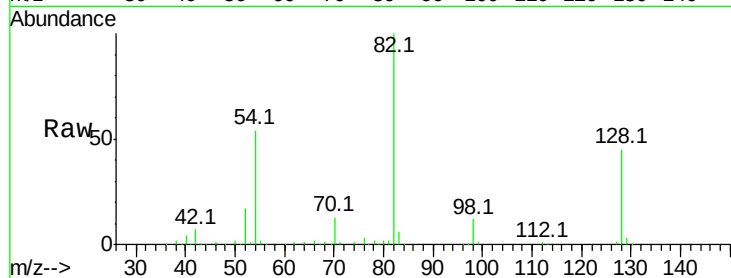
Tot Ion: 82 Resp: 335459

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

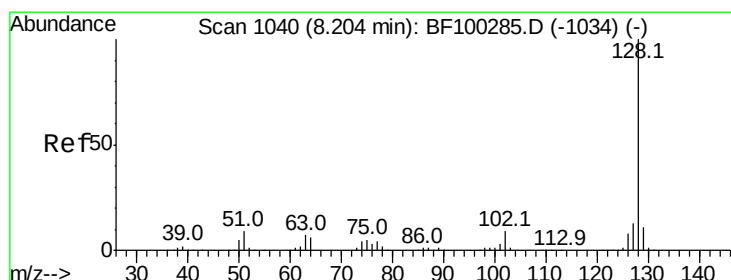
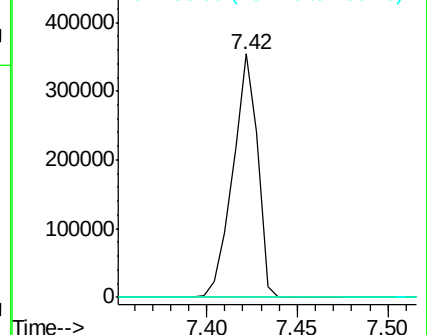
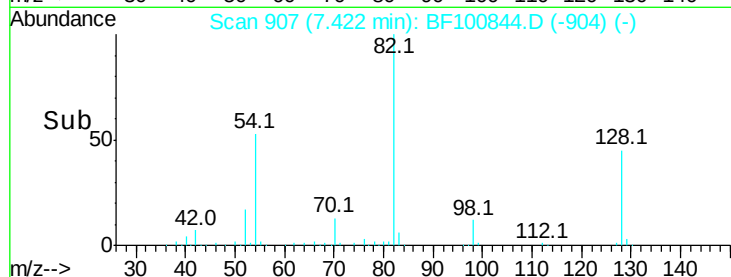
138 0.0 14.9 22.3#



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: 0.455 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

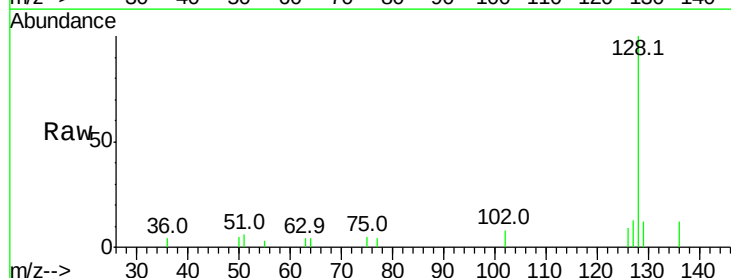
Tgt Ion: 128 Resp: 7193

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

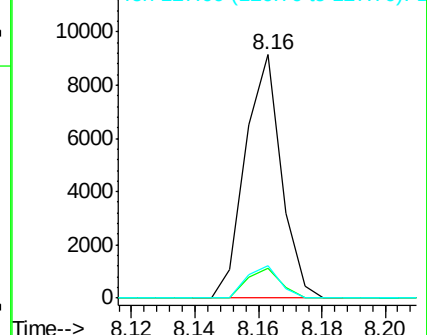
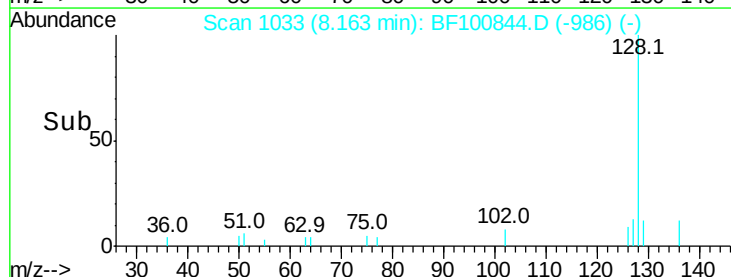
127 13.1 10.9 16.3

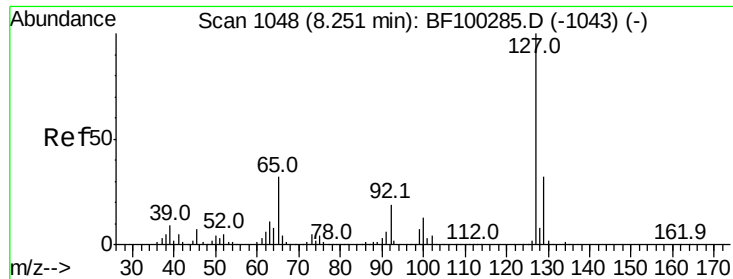


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

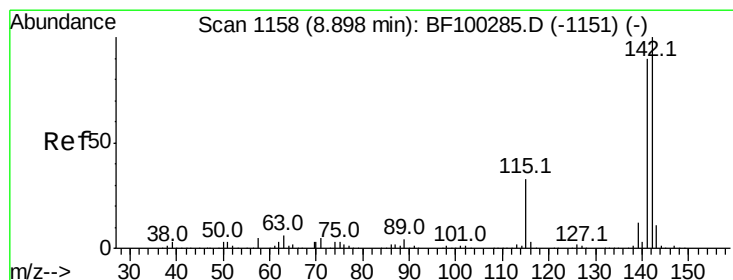
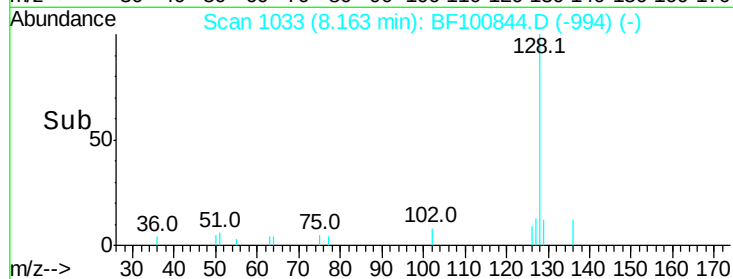
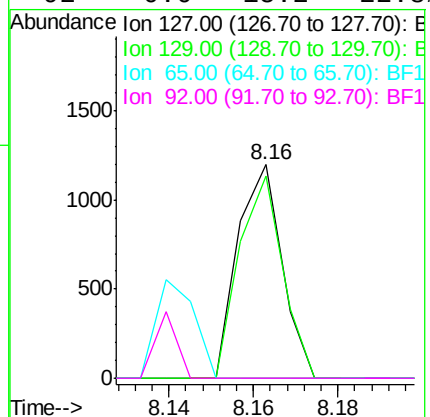
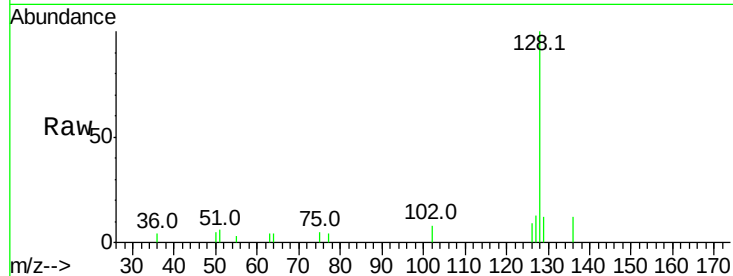




#33
4-Chloroaniline
Concen: 0.132 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

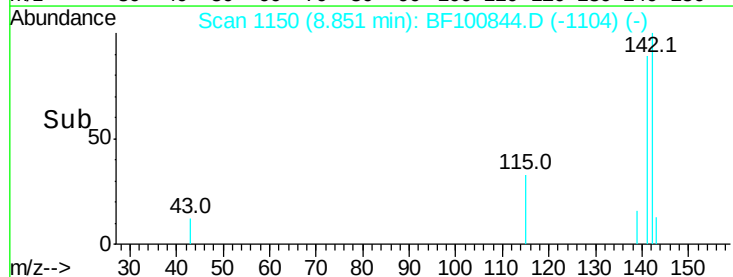
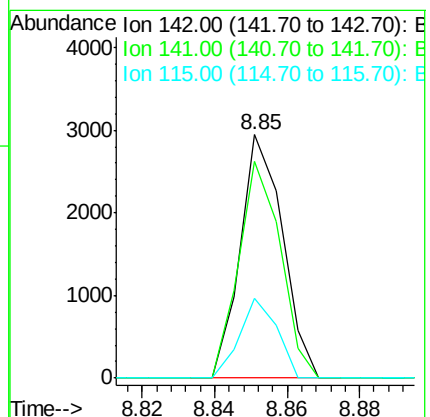
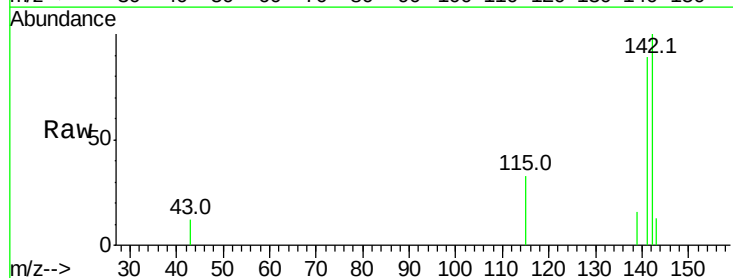
Instrument :
BNA_F
ClientSampleId :

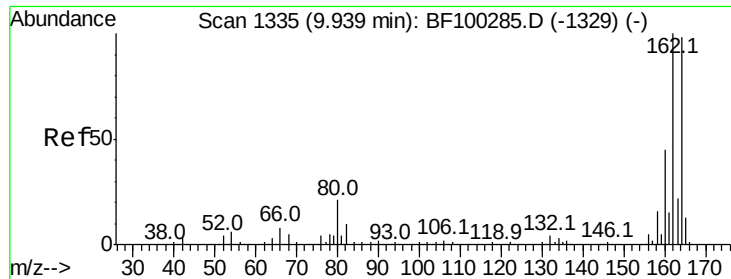
Tot Ion:	127	Resp:	866
Ion	Ratio	Lower	Upper
127	100		
129	94.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 0.228 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion:	142	Resp:	2388
Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2
115	32.9	26.1	39.1

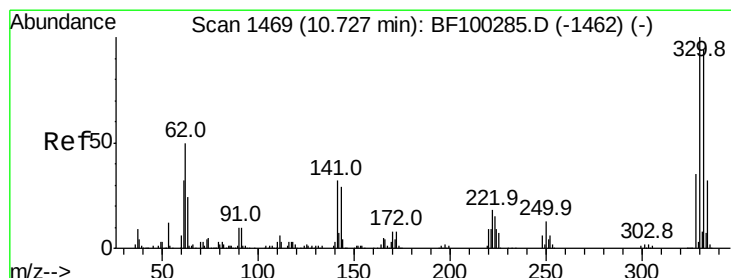
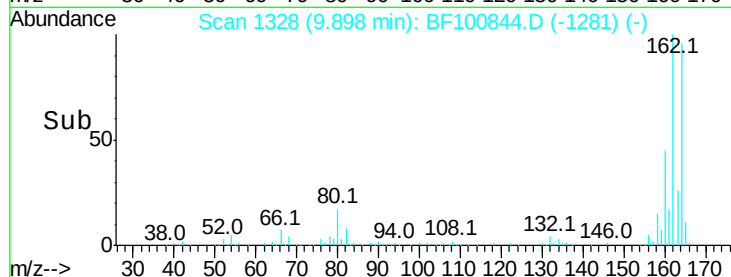
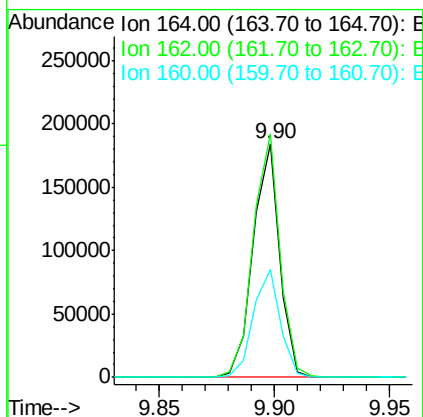
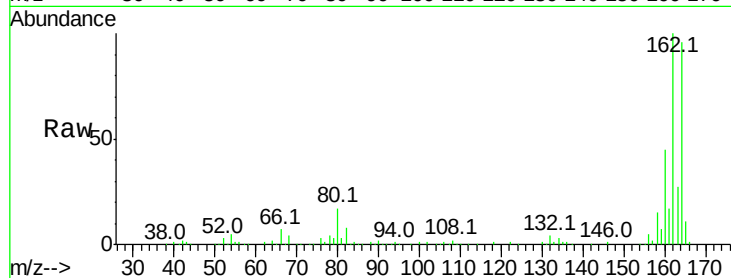




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

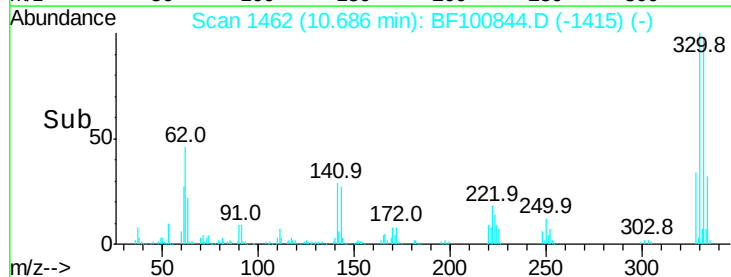
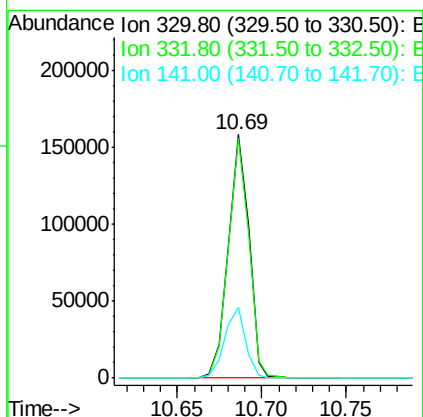
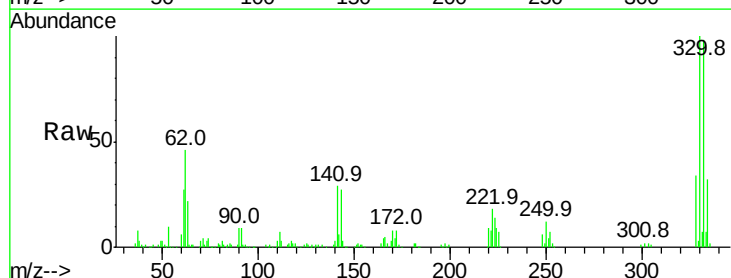
Instrument :
 BNA_F
 ClientSampleId :

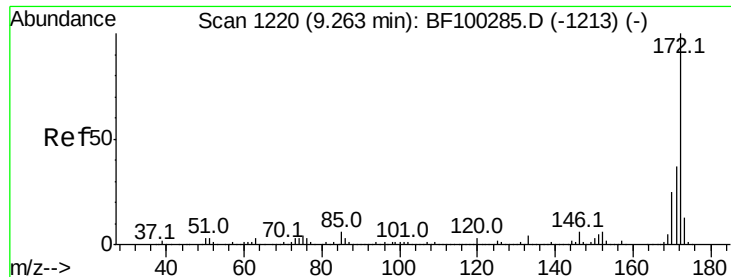
Tot Ion:164 Resp: 148332
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 46.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 89.060 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:330 Resp: 134615
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 29.4 29.9 44.9#

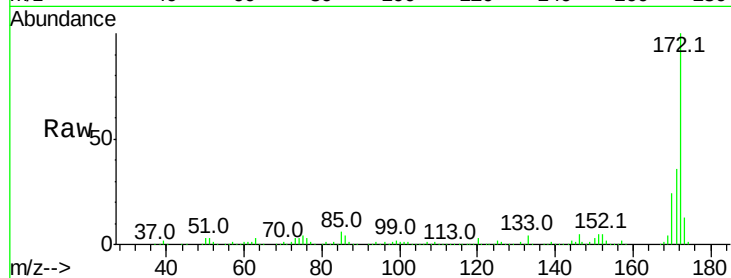




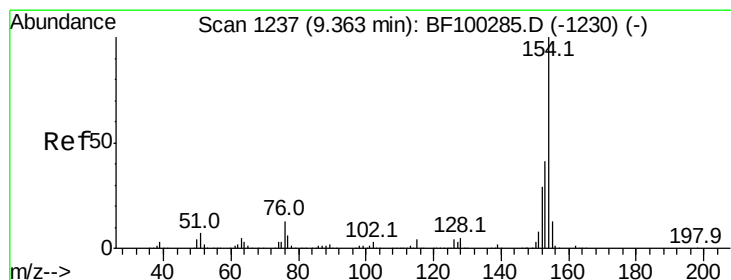
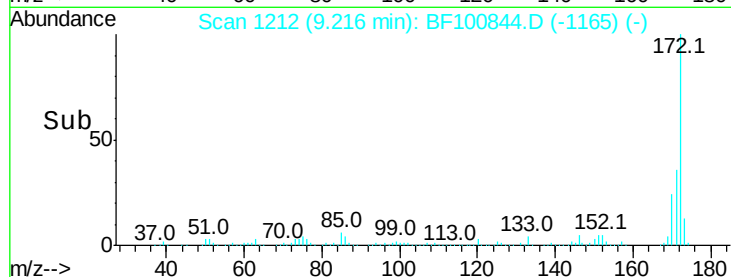
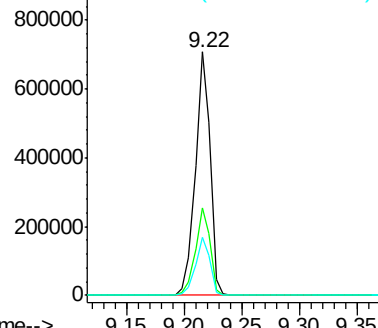
#44
2-Fluorobiphenyl
Concen: 64.566 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 628955
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.9 19.6 29.4

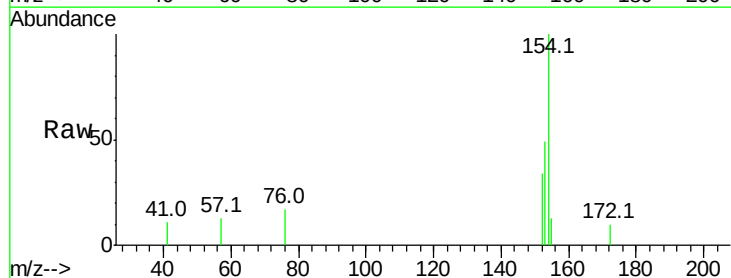


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

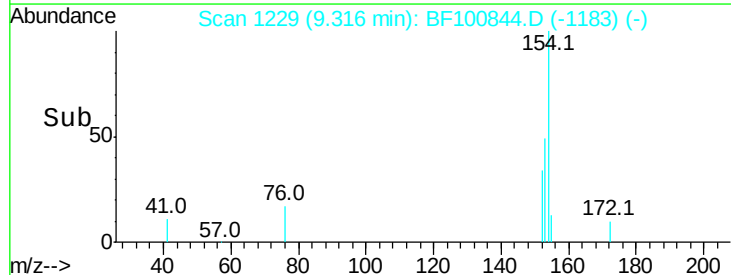
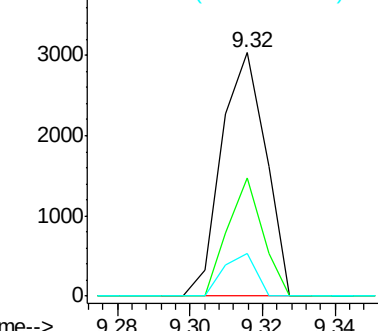


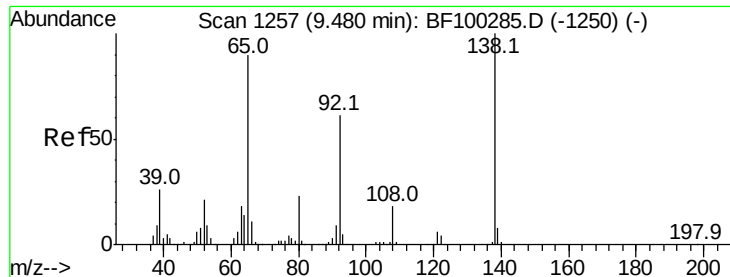
#45
1,1'-Biphenyl
Concen: 0.199 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion:154 Resp: 2557
Ion Ratio Lower Upper
154 100
153 48.7 21.3 61.3
76 17.3 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Nitroaniline

Concen: 2.928 ng

RT: 9.60 min Scan# 1278

Delta R.T. 0.14 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

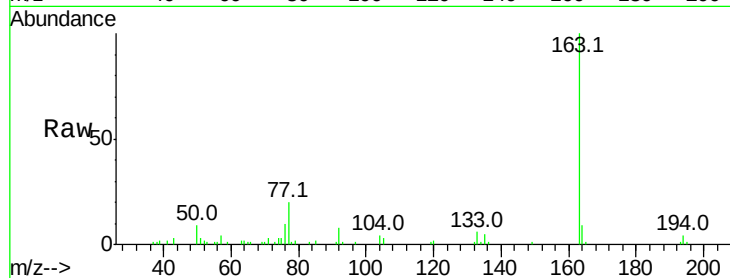
Tot Ion: 65 Resp: 421

Ion Ratio Lower Upper

65 100

92 815.3 55.8 83.6#

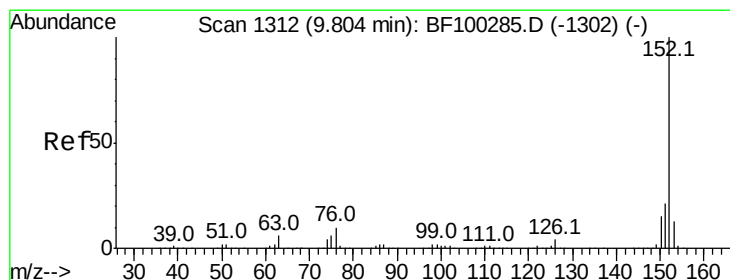
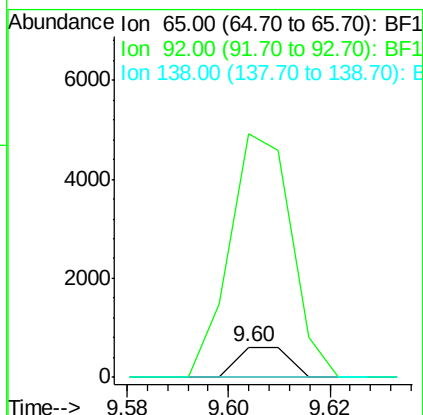
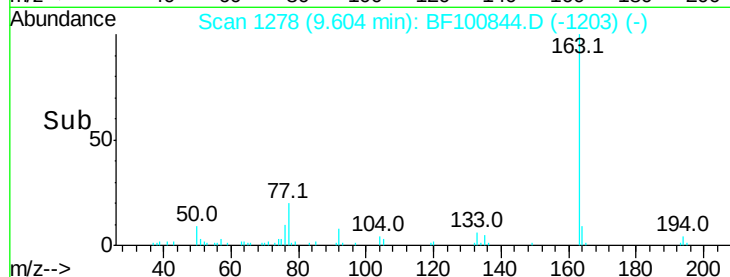
138 0.0 91.2 136.8#



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



#48

Acenaphthylene

Concen: 0.250 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

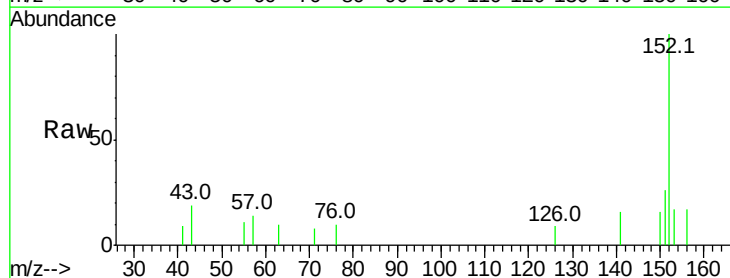
Tgt Ion: 152 Resp: 3860

Ion Ratio Lower Upper

152 100

151 25.7 16.3 24.5#

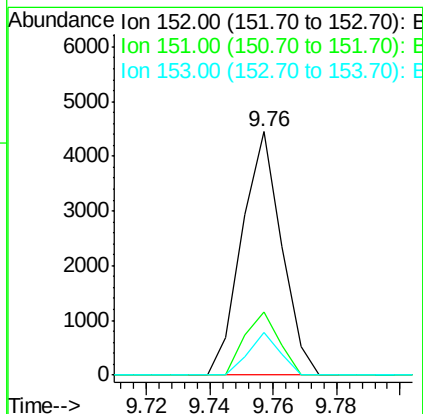
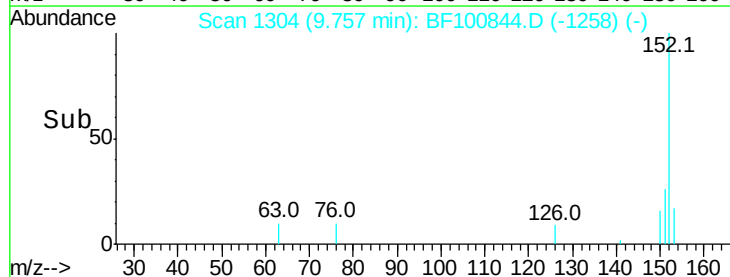
153 17.3 10.7 16.1#

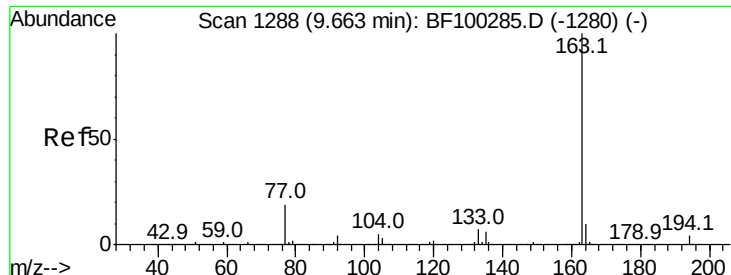


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 4.964 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

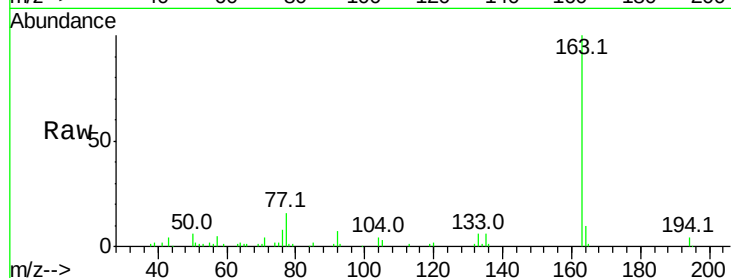
Tot Ion:163 Resp: 56224

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

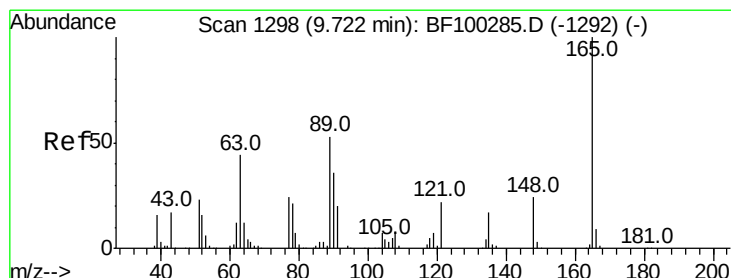
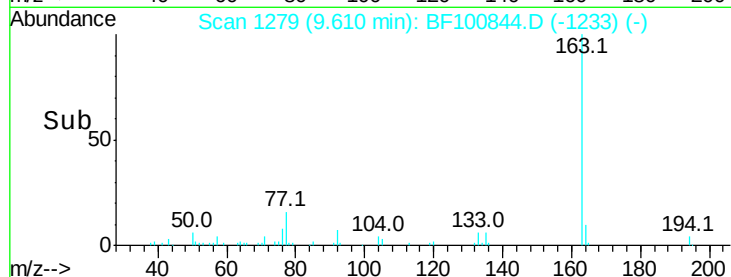
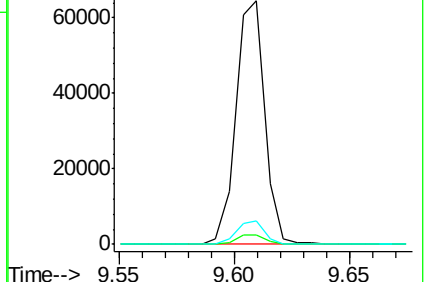
164 9.7 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 0.282 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.10 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

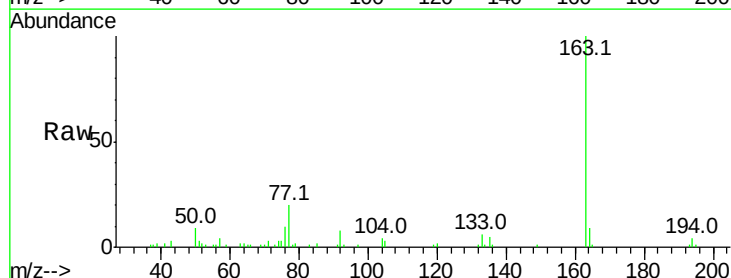
Tgt Ion:165 Resp: 632

Ion Ratio Lower Upper

165 100

63 129.0 44.7 67.1#

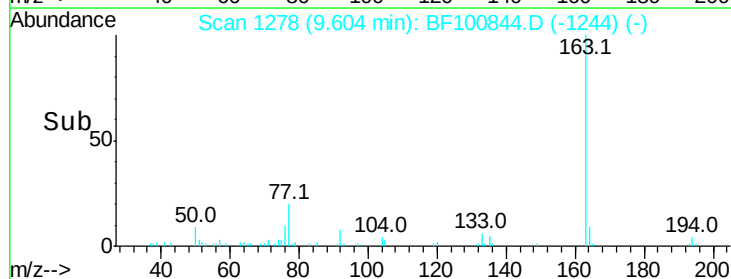
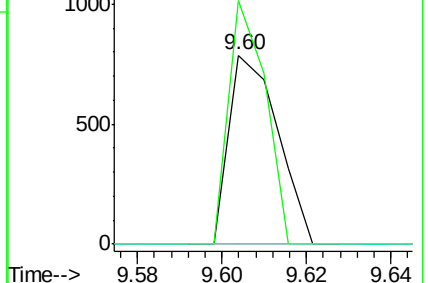
89 0.0 44.0 66.0#

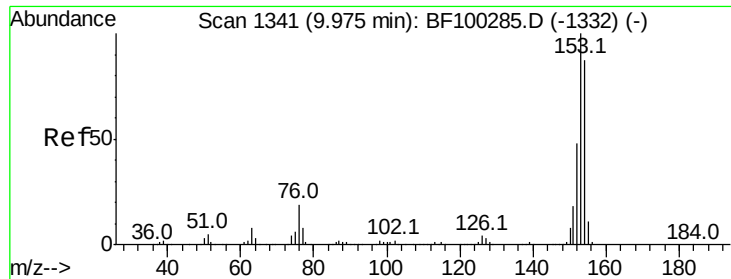


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 0.771 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

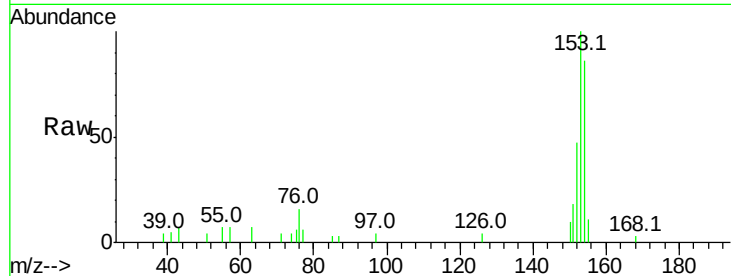
Tot Ion:154 Resp: 7230

Ion Ratio Lower Upper

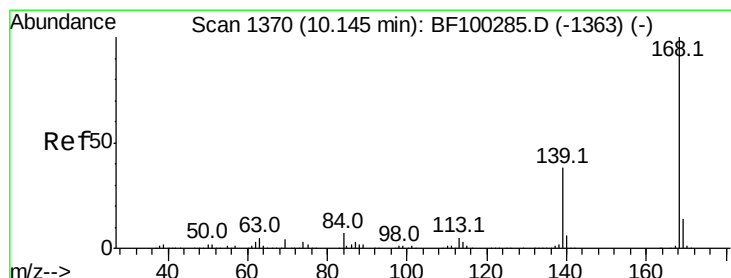
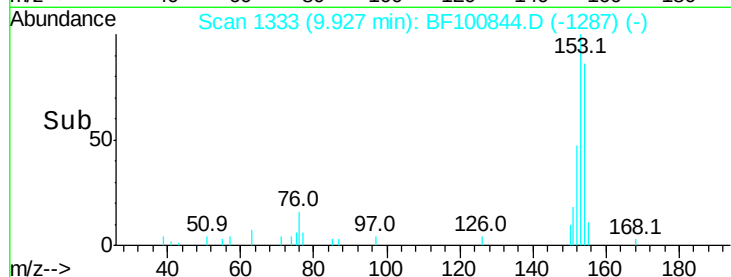
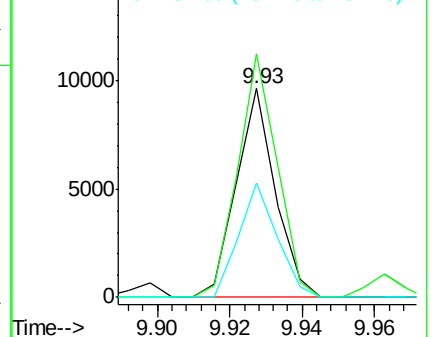
154 100

153 116.7 91.2 136.8

152 54.7 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

Dibenzofuran

Concen: 0.439 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

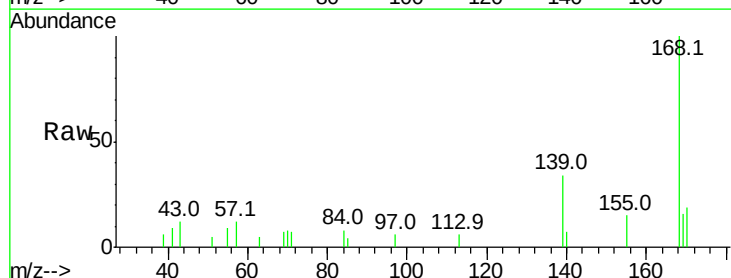
Tgt Ion:168 Resp: 5773

Ion Ratio Lower Upper

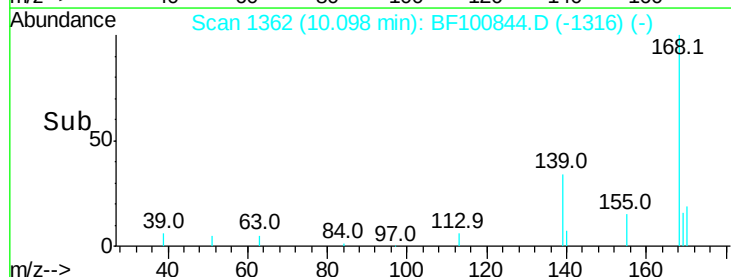
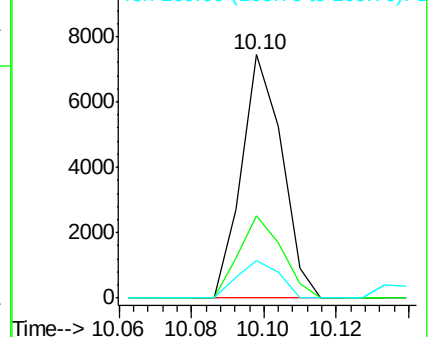
168 100

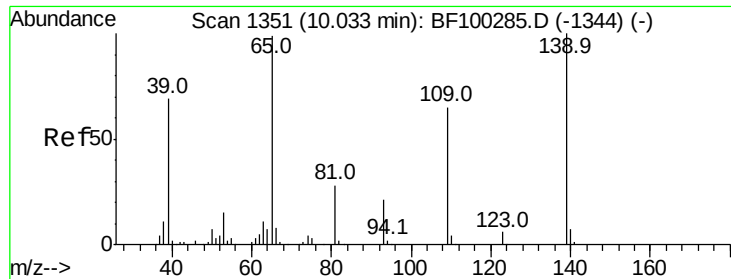
139 34.1 30.1 45.1

169 15.7 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

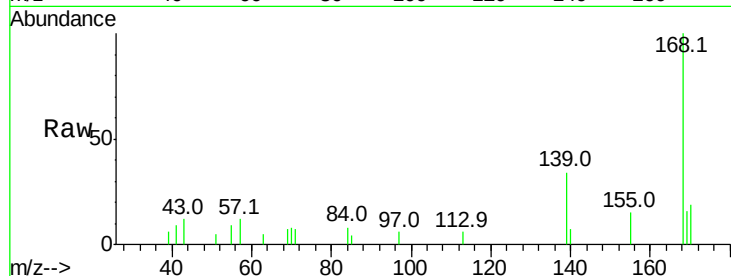




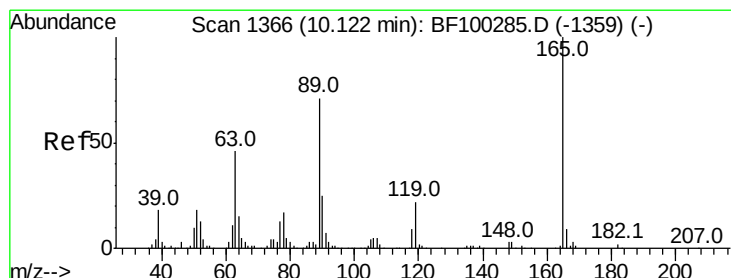
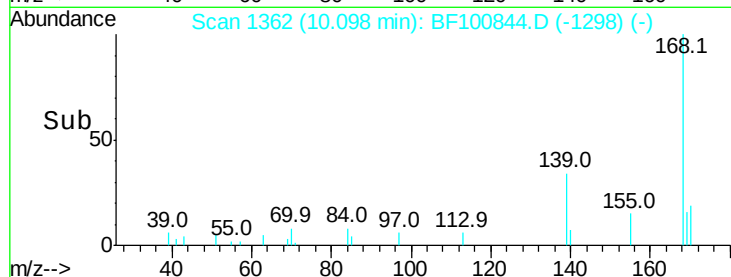
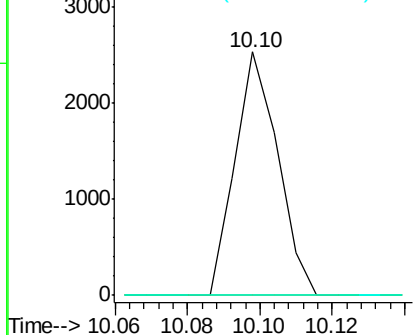
#55
4-Nitrophenol
Concen: 0.968 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.08 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2080
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

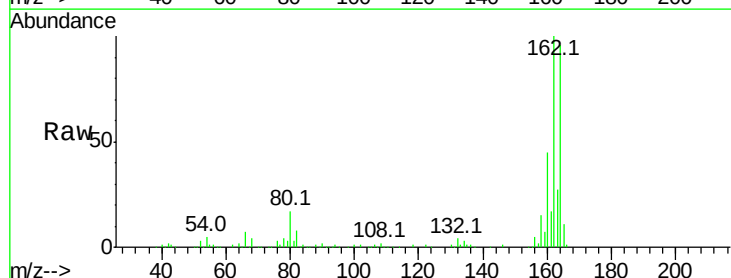


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

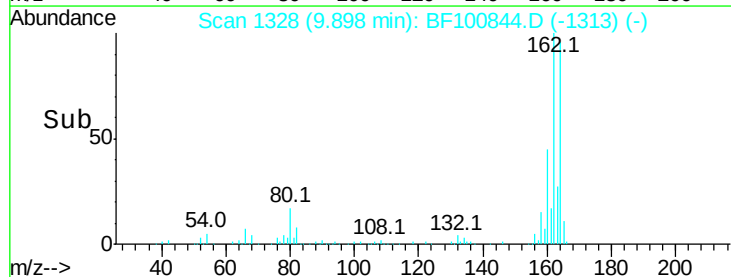
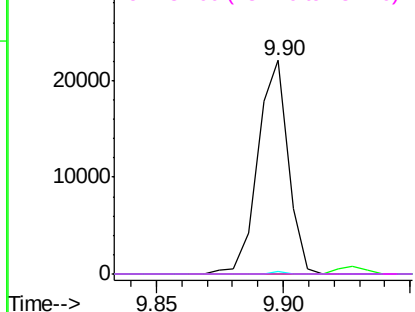


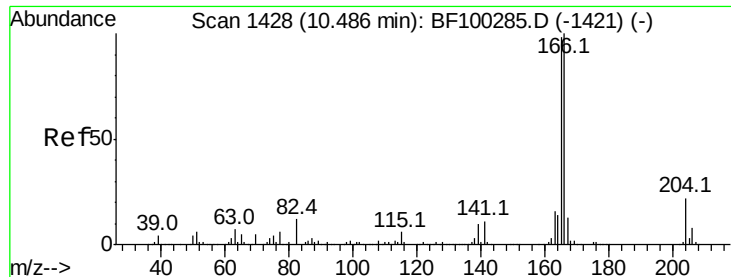
#56
2,4-Dinitrotoluene
Concen: 6.549 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.21 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion:165 Resp: 18521
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

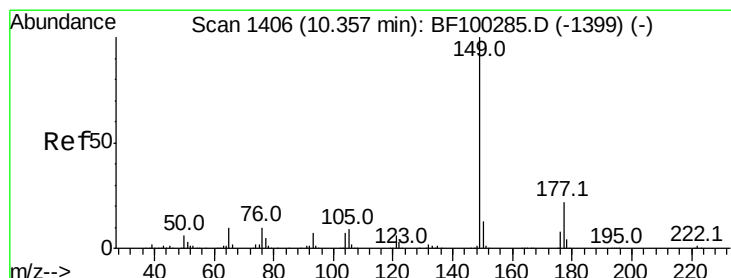
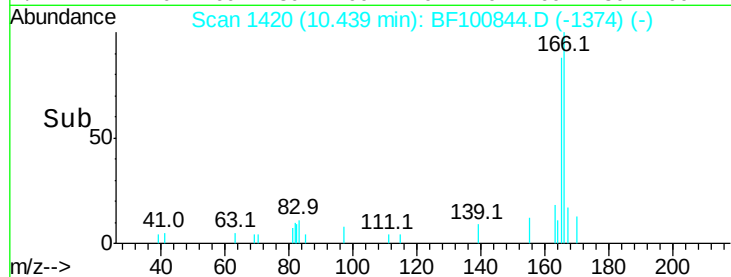
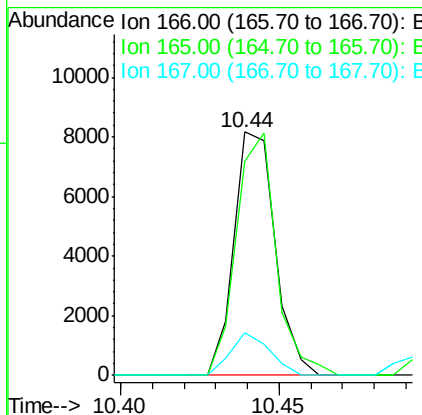
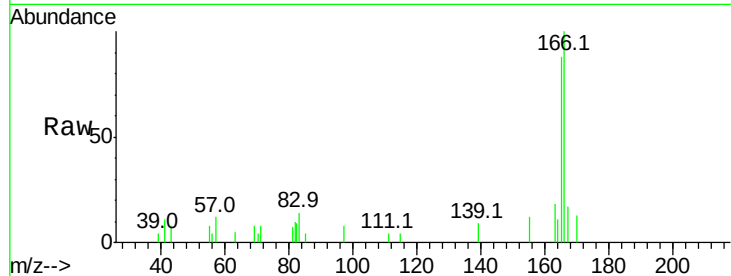




#57
 Fluorene
 Concen: 0.760 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.03 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

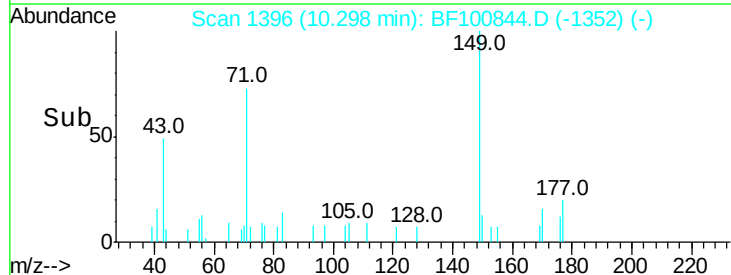
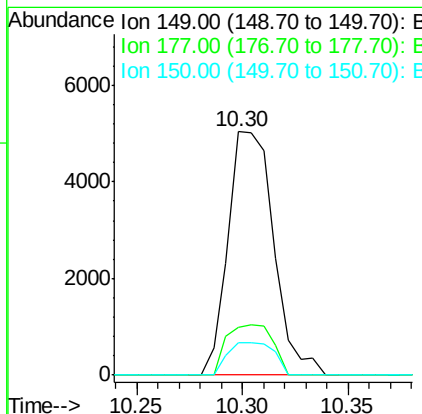
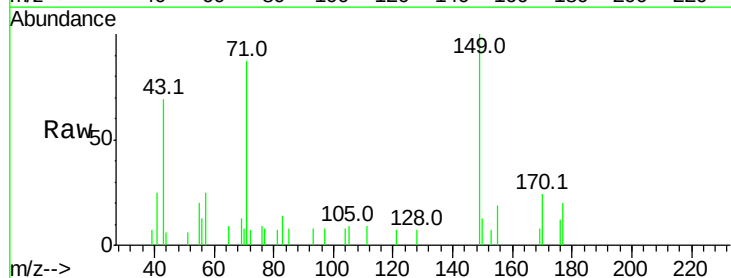
Instrument :
 BNA_F
 ClientSampleId :

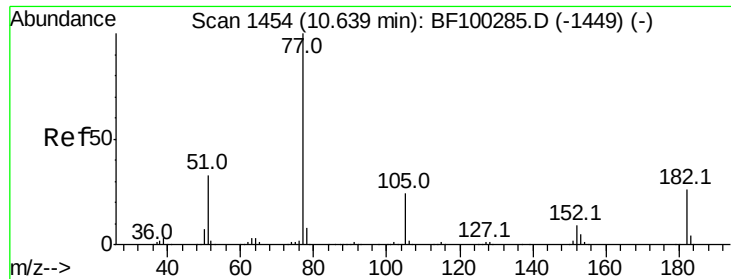
Tot Ion:166 Resp: 7324
 Ion Ratio Lower Upper
 166 100
 165 88.2 79.8 119.8
 167 17.4 10.6 16.0#



#59
 Diethylphthalate
 Concen: 0.667 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.04 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:149 Resp: 7558
 Ion Ratio Lower Upper
 149 100
 177 19.8 16.1 24.1
 150 13.2 10.1 15.1

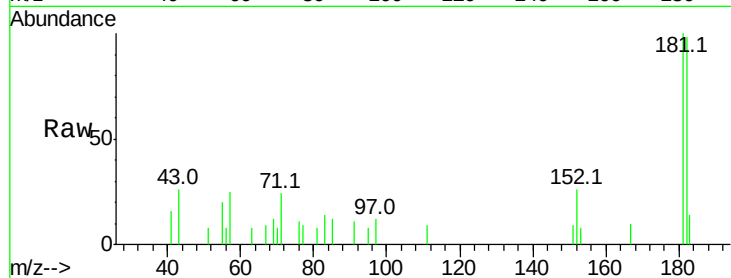




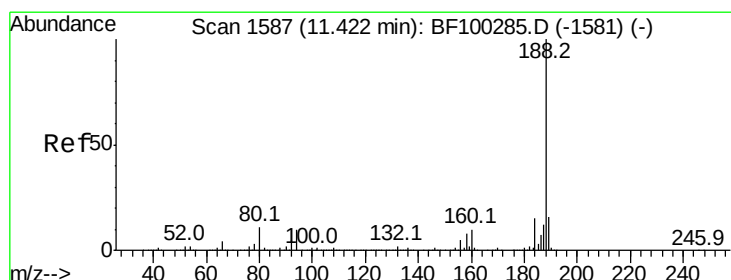
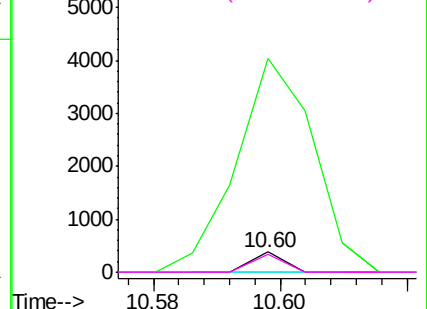
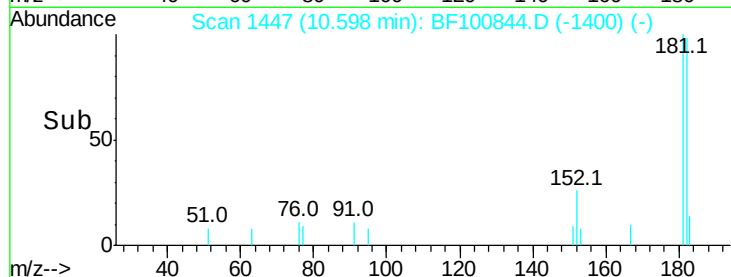
#62
Azobenzene
Concen: 0.013 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 135
Ion Ratio Lower Upper
77 100
182 1053.3 1.7 41.7#
105 0.0 3.0 43.0#
51 88.8 9.9 49.9#

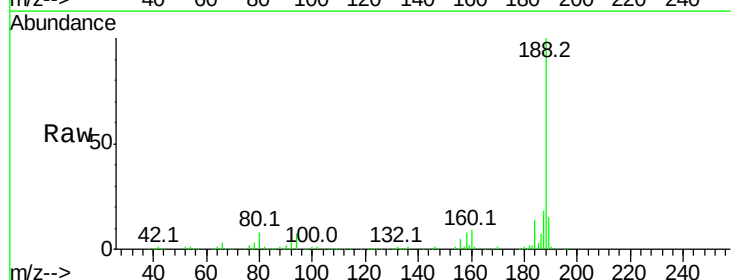


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

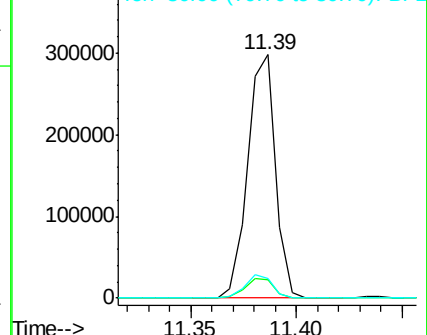
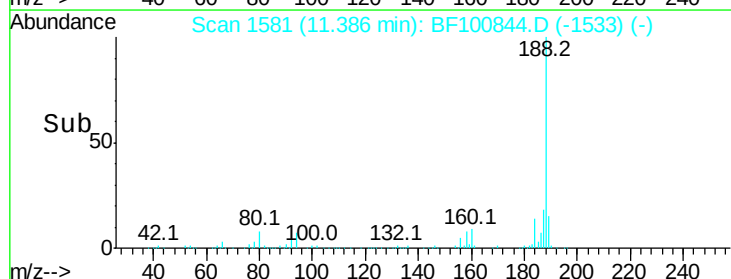


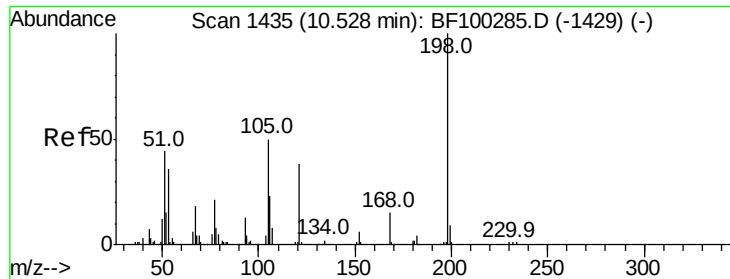
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion: 188 Resp: 270813
Ion Ratio Lower Upper
188 100
94 7.5 8.5 12.7#
80 8.3 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

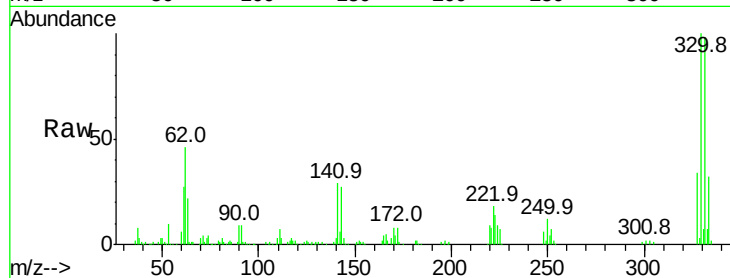




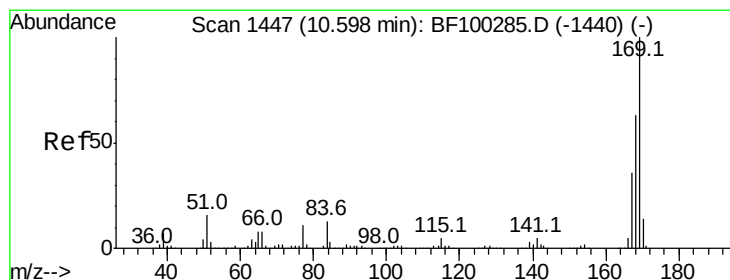
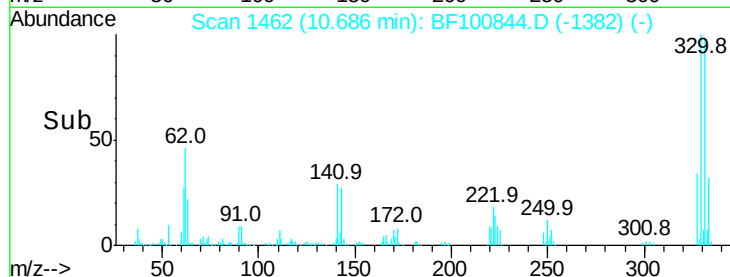
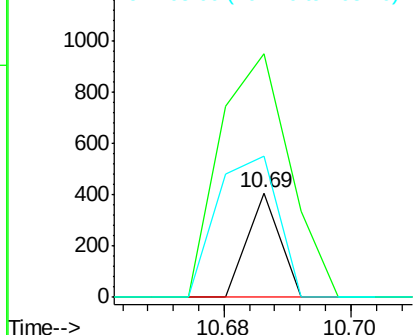
#64
4,6-Dinitro-2-methylphenol
Concen: 8.657 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.17 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 144
Ion Ratio Lower Upper
198 100
51 232.9 37.7 77.7#
105 134.6 36.3 76.3#

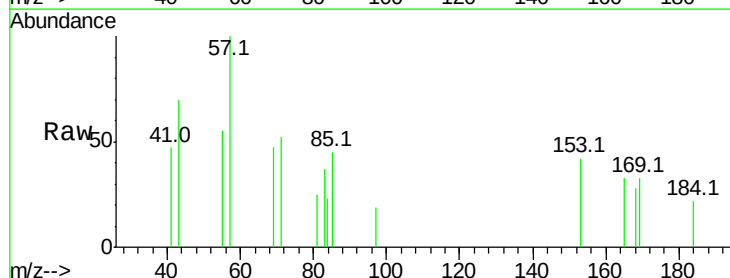


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

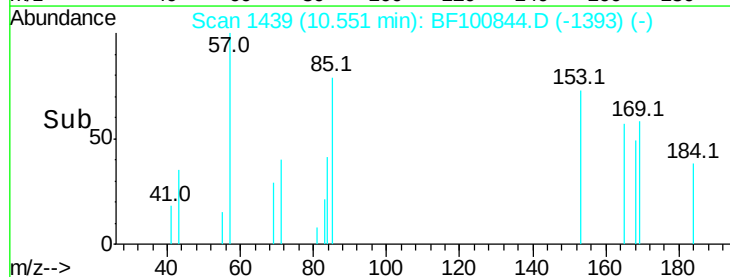
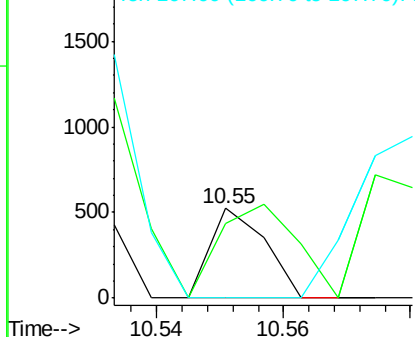


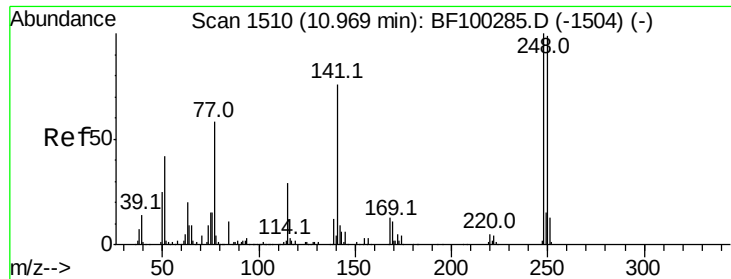
#65
n-Nitrosodiphenylamine
Concen: 0.033 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion:169 Resp: 309
Ion Ratio Lower Upper
169 100
168 83.8 54.4 81.6#
167 0.0 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

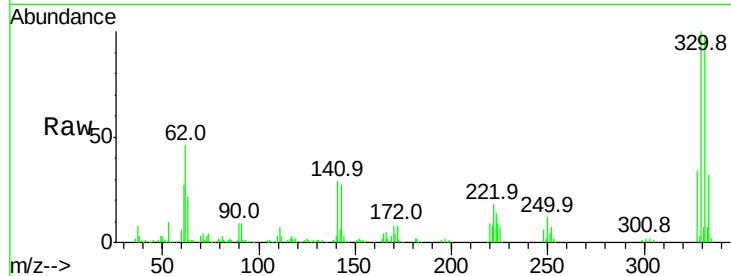




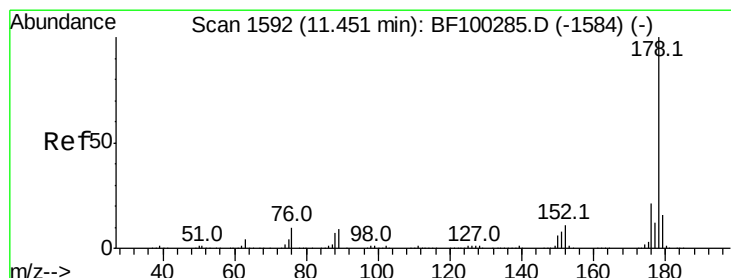
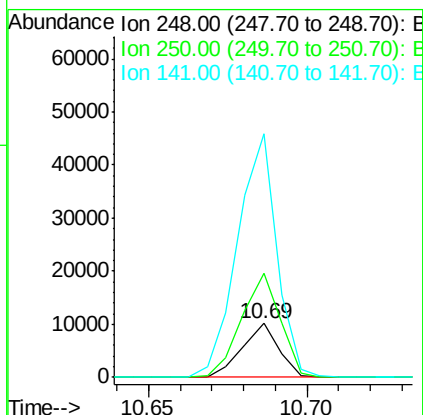
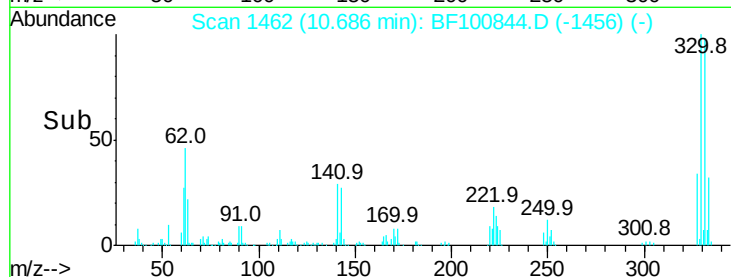
#66
 4-Bromophenyl-phenylether
 Concen: 2.799 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.26 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8125
 Ion Ratio Lower Upper
 248 100
 250 192.5 76.9 115.3#
 141 451.9 74.4 111.6#

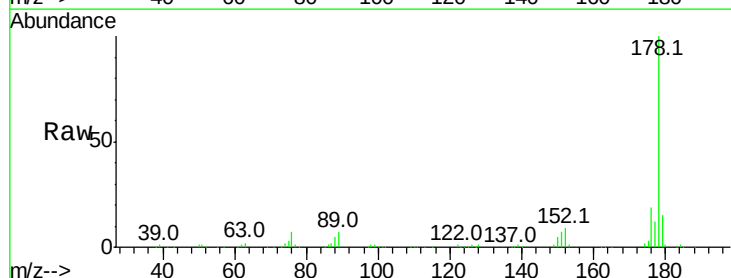


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

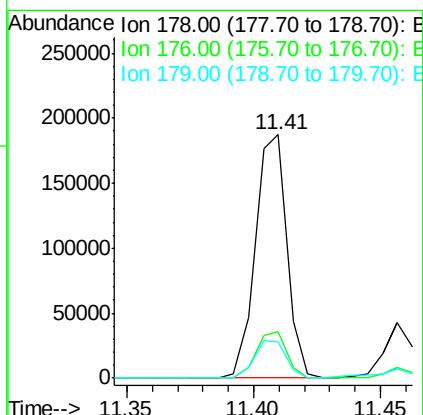
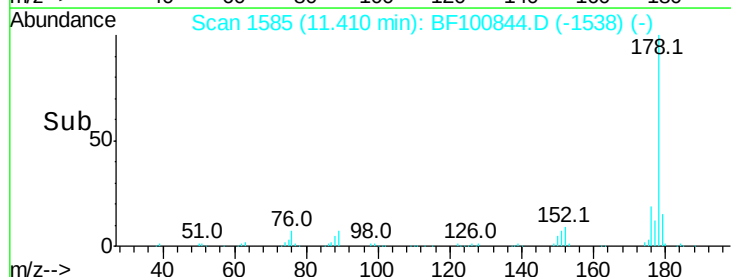


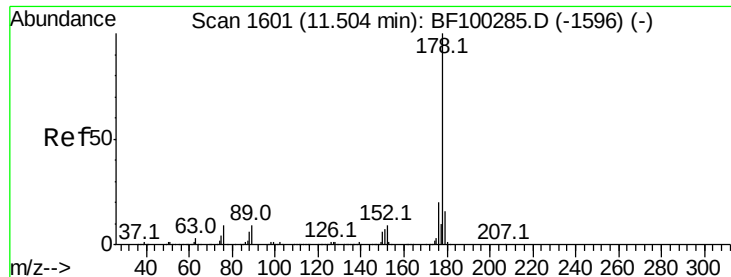
#70
 Phenanthrene
 Concen: 11.428 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:178 Resp: 162949
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.9 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

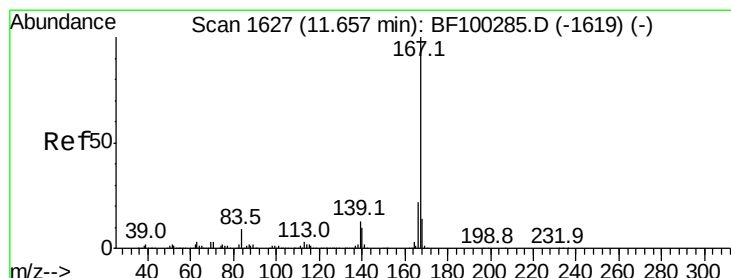
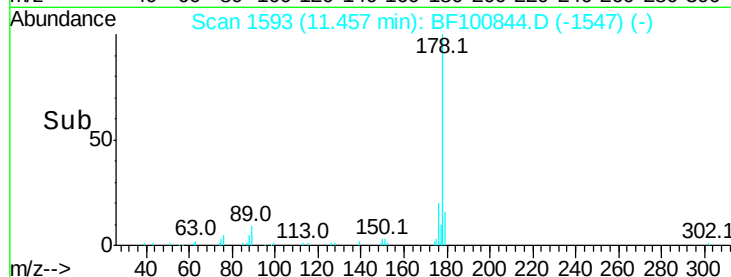
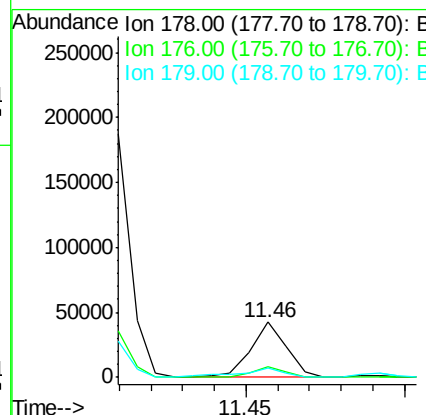
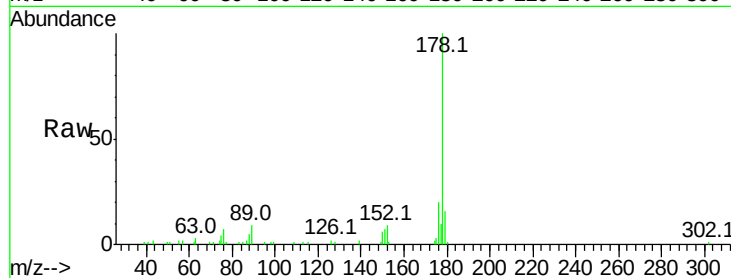




#71
 Anthracene
 Concen: 2.251 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

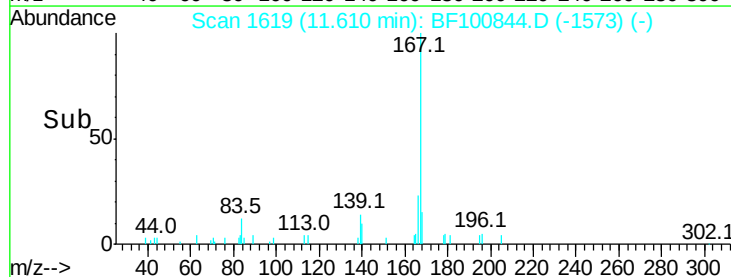
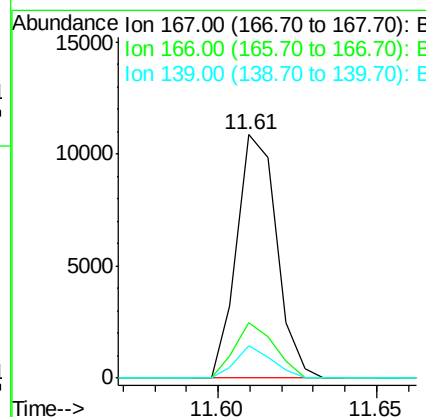
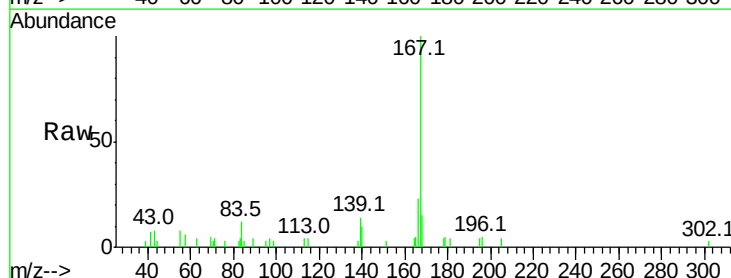
Instrument :
 BNA_F
 ClientSampleId :

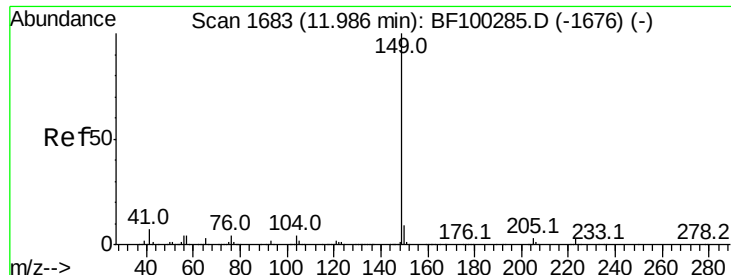
Tot Ion:178 Resp: 32558
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 16.3 12.6 19.0



#72
 Carbazole
 Concen: 0.710 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.03 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:167 Resp: 9479
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.6 26.4
 139 13.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 0.304 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

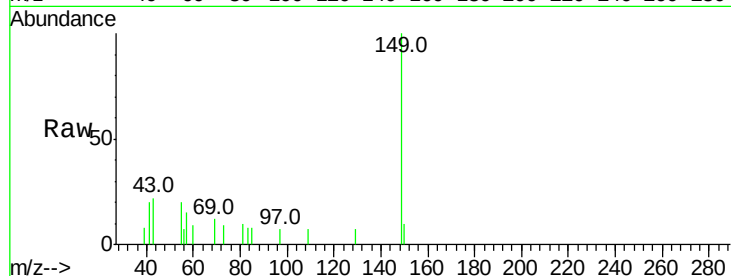
Tot Ion:149 Resp: 4753

Ion Ratio Lower Upper

149 100

150 10.4 7.8 11.6

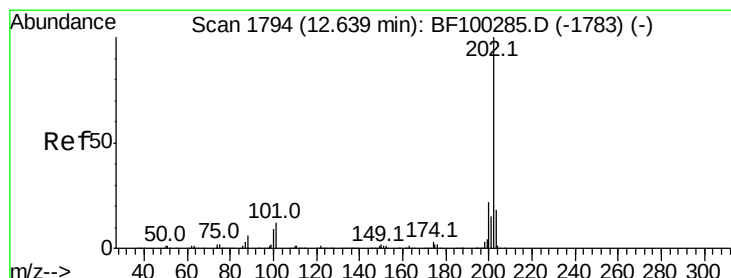
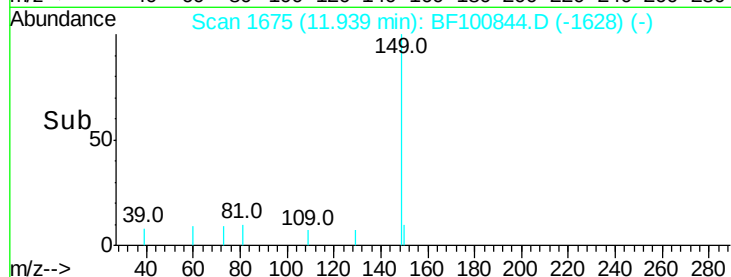
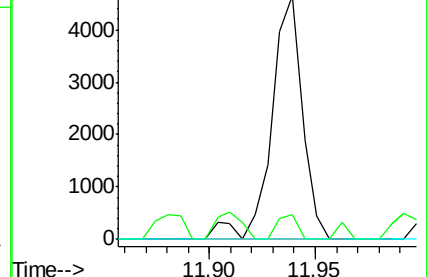
104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 16.798 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

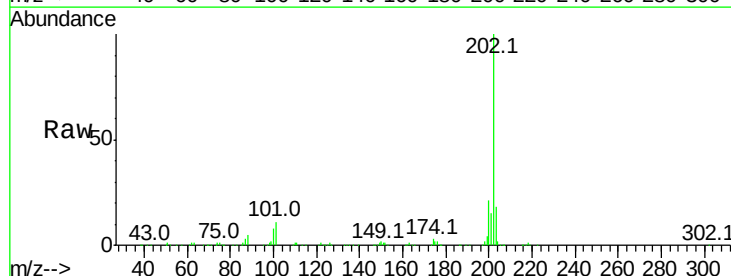
Tgt Ion:202 Resp: 253844

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

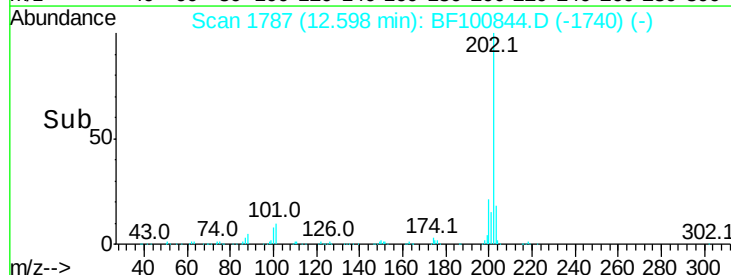
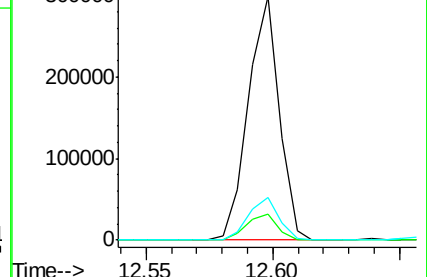
203 17.7 0.0 38.1

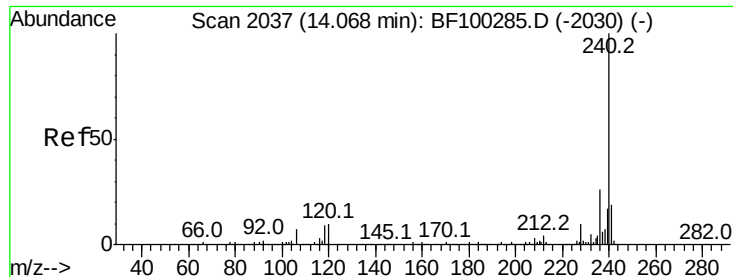


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampled :

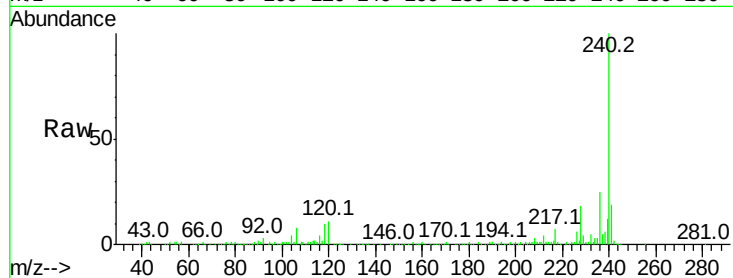
Tot Ion:240 Resp: 160667

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

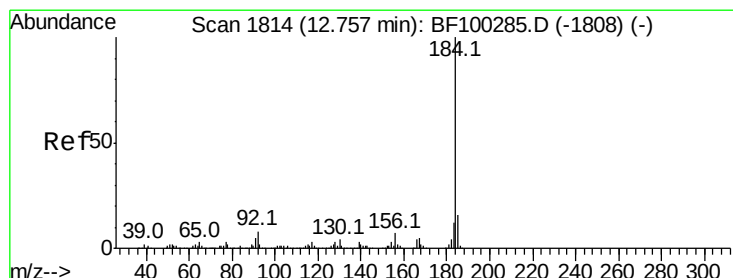
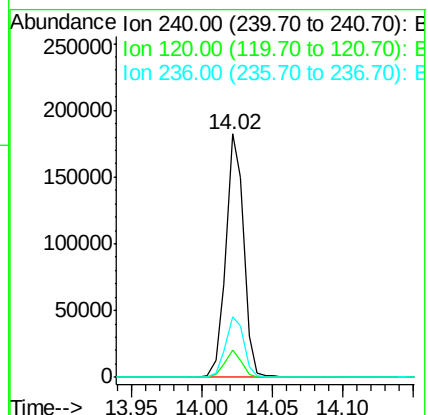
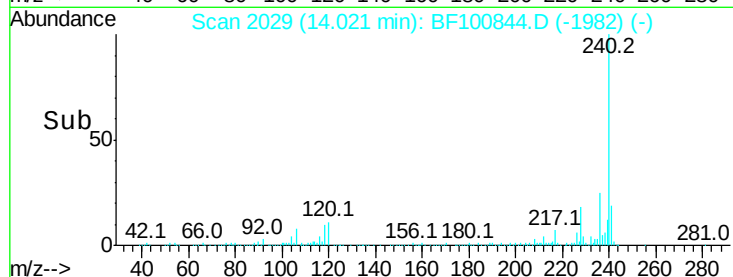
236 24.7 20.7 31.1



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: 0.820 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.23 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

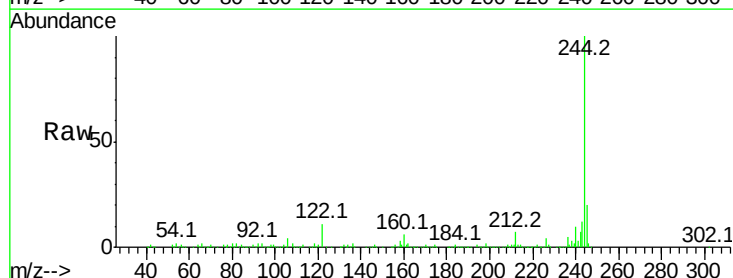
Tgt Ion:184 Resp: 5274

Ion Ratio Lower Upper

184 100

185 18.5 12.6 18.8

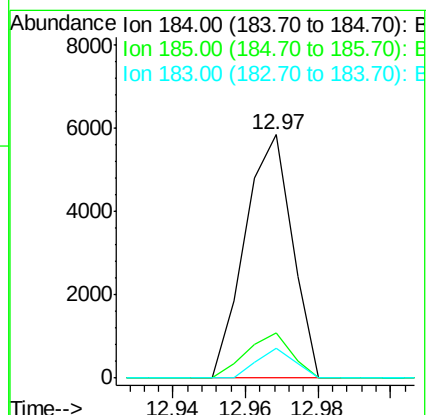
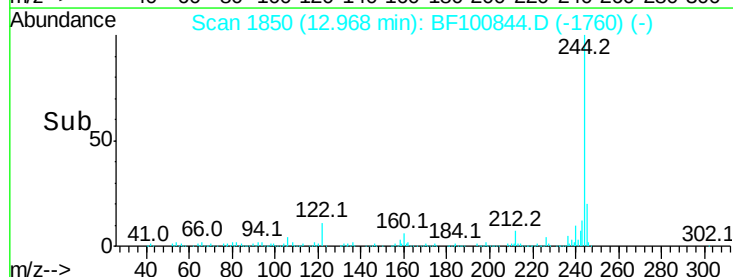
183 12.5 9.3 13.9

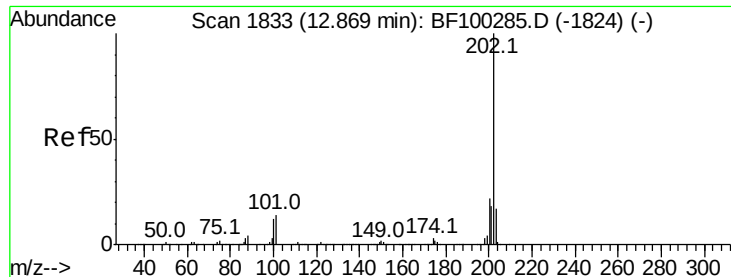


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 19.767 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

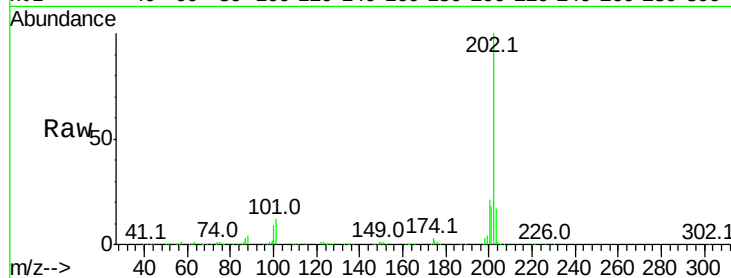
Tot Ion:202 Resp: 226389

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

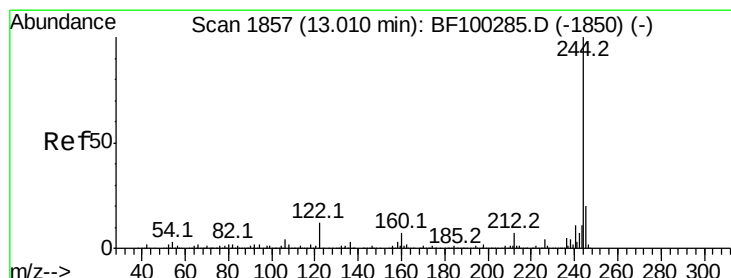
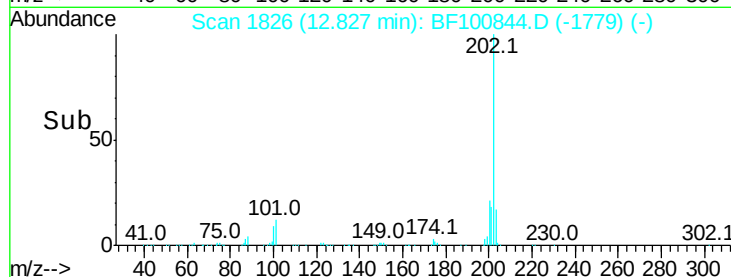
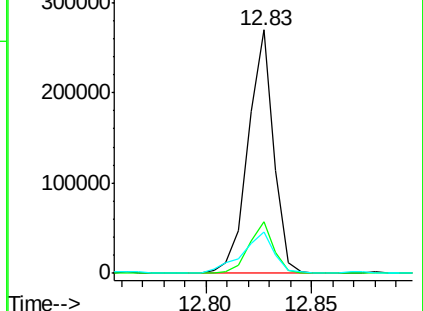
203 17.0 14.3 21.5



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: 67.644 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

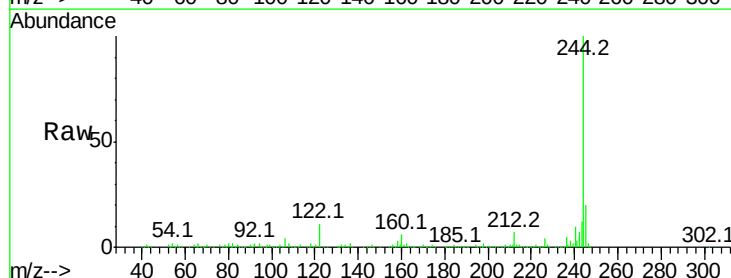
Tgt Ion:244 Resp: 472999

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

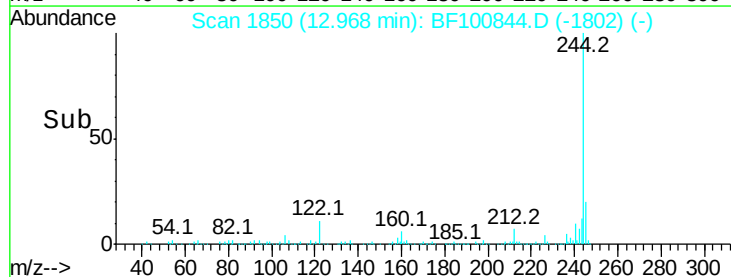
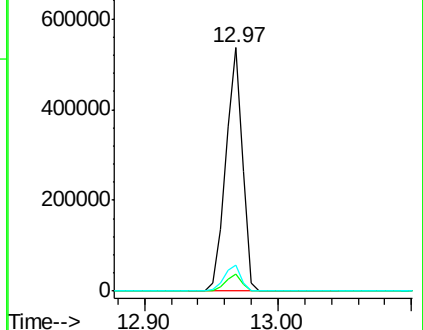
122 10.9 11.0 16.4#

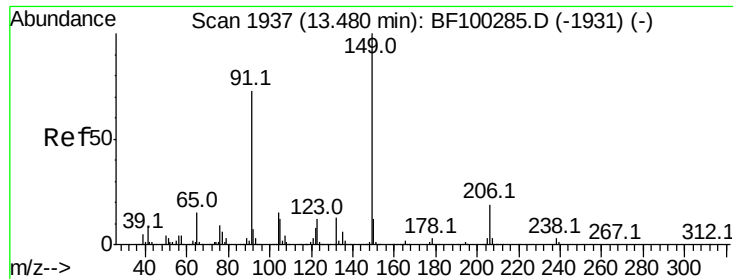


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

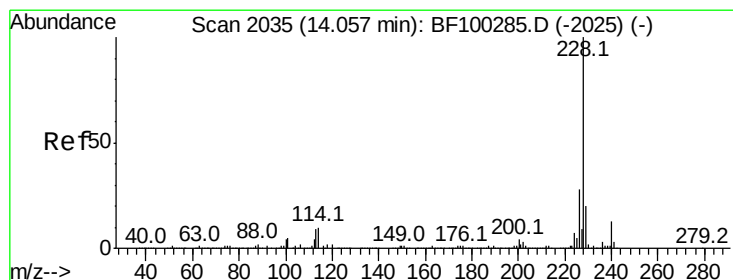
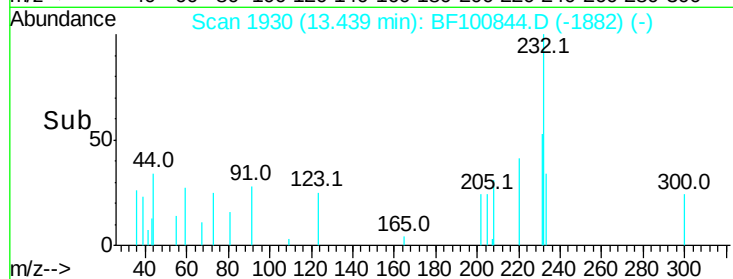
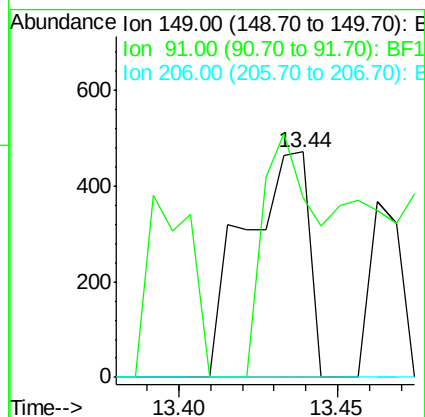
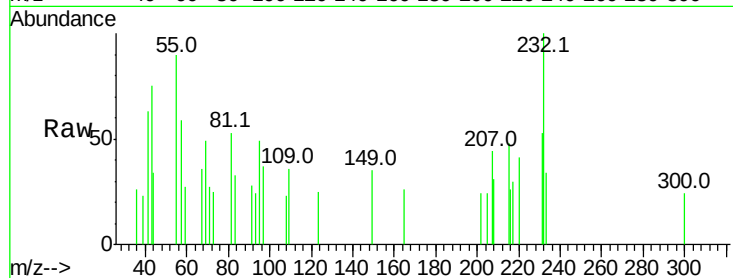




#79
 Butylbenzylphthalate
 Concen: 0.141 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

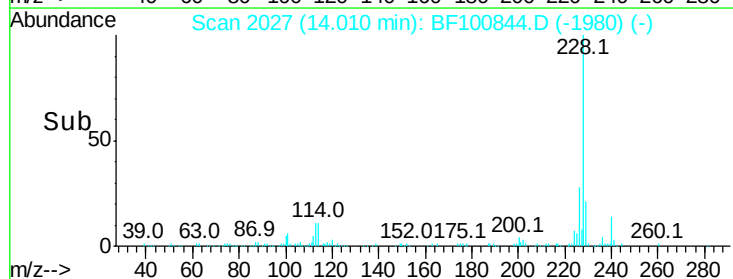
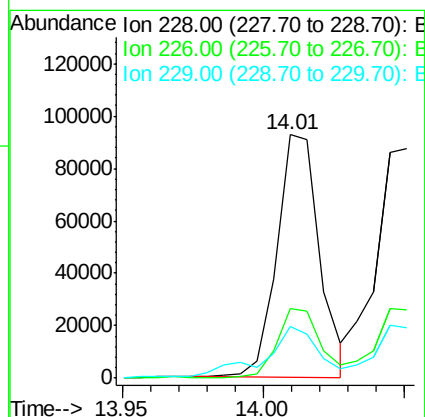
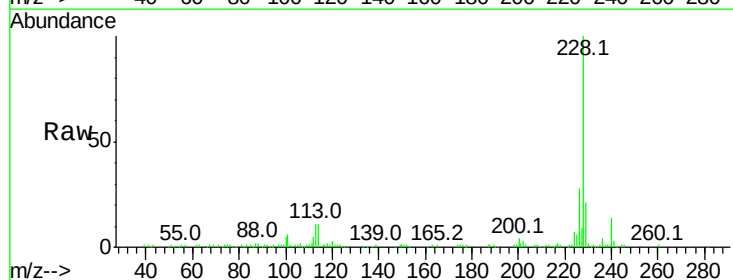
Instrument :
 BNA_F
 ClientSampled :

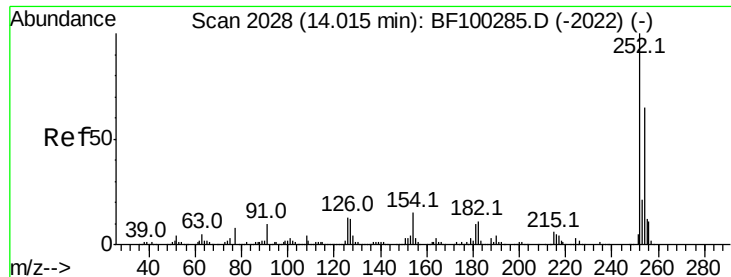
Tot Ion:	149	Resp:	660
Ion Ratio	Lower	Upper	
149	100		
91	79.9	56.8	85.2
206	0.0	14.1	21.1#



#80
 Benzo(a)anthracene
 Concen: 9.978 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:	228	Resp:	96540
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	20.9	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 0.266 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.06 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

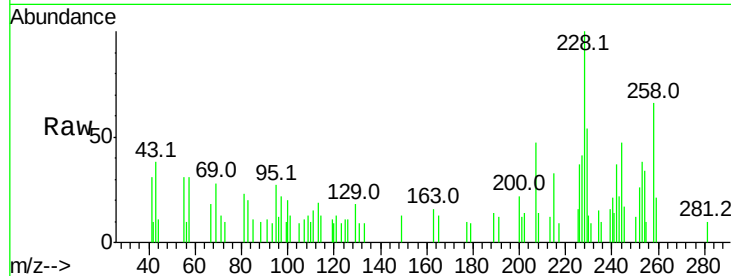
Tot Ion:252 Resp: 921

Ion Ratio Lower Upper

252 100

254 130.5 50.4 75.6#

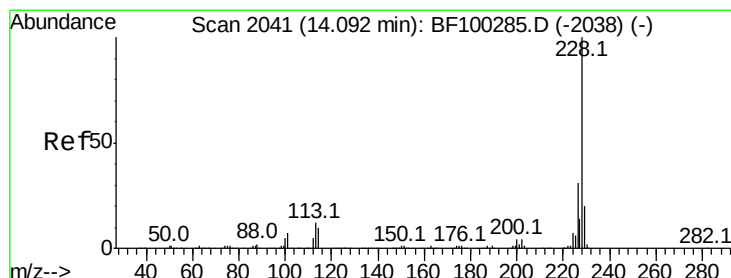
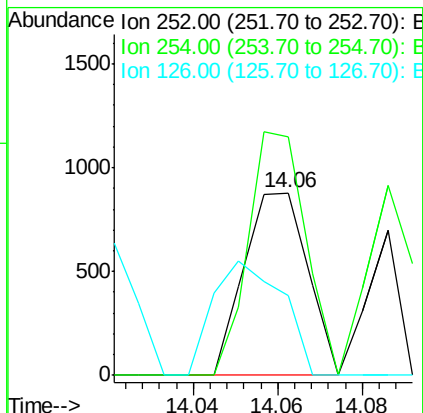
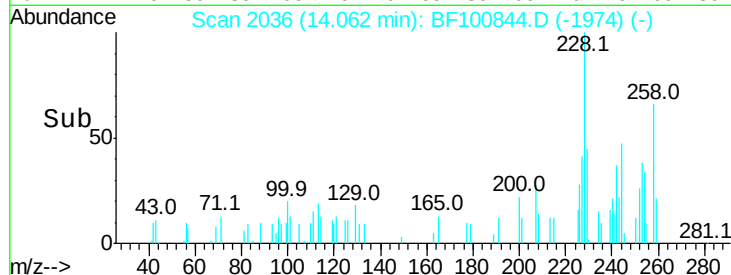
126 43.7 11.3 16.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 9.694 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

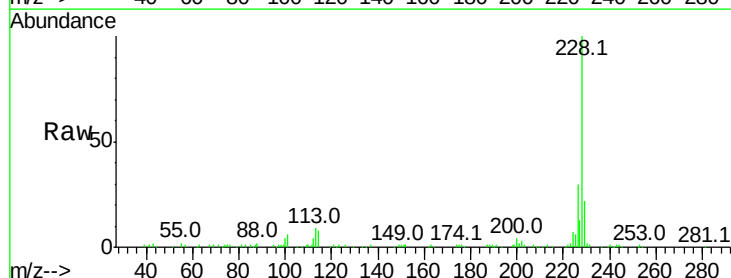
Tgt Ion:228 Resp: 90827

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

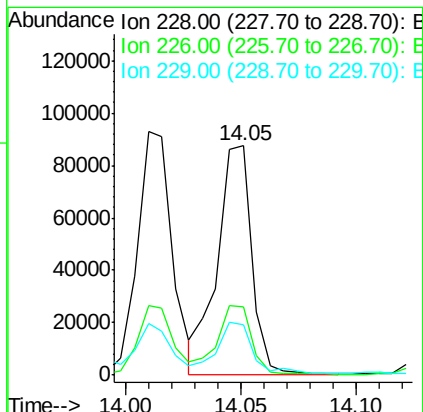
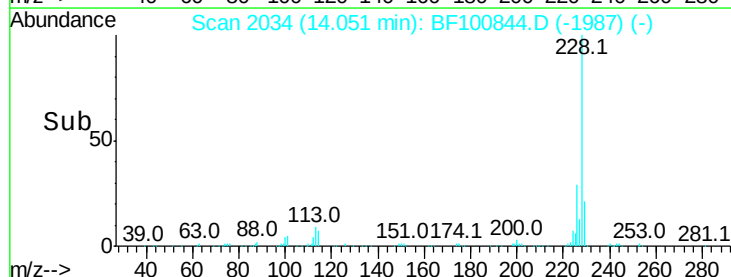
229 21.7 16.2 24.4

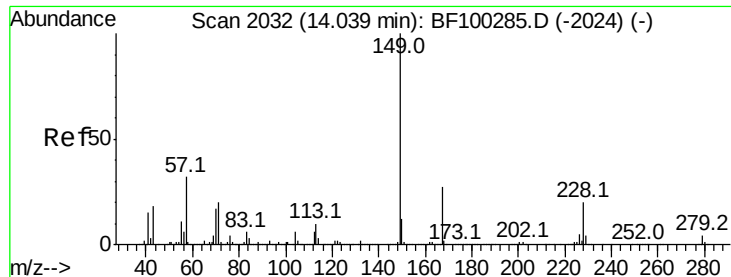


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

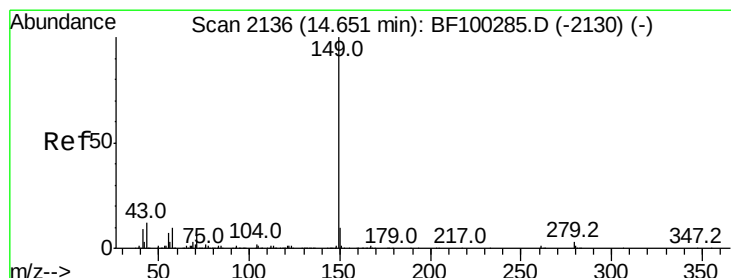
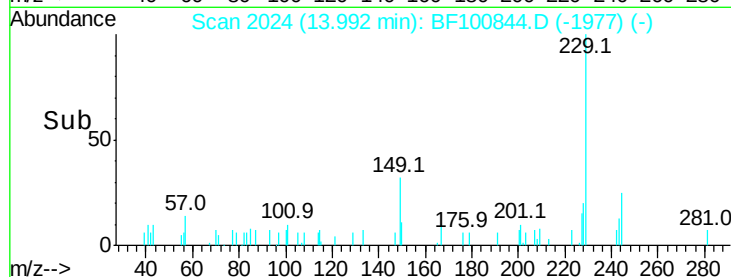
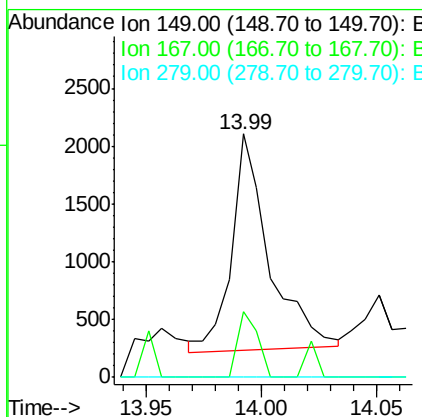
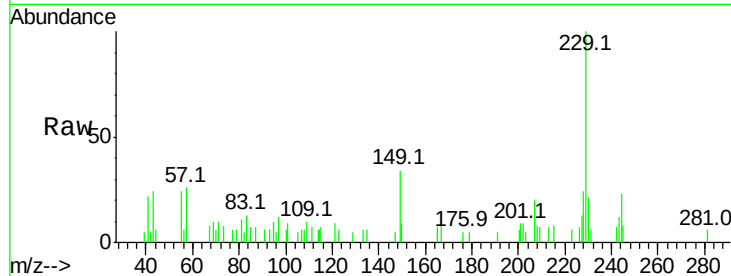




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.344 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

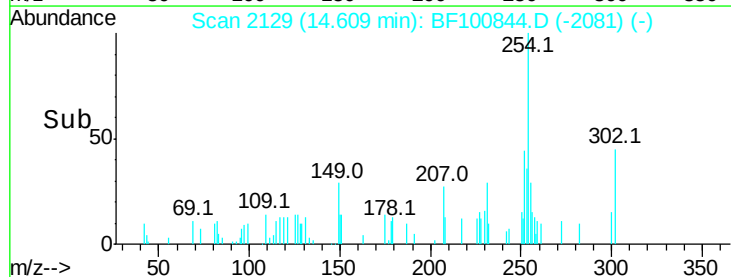
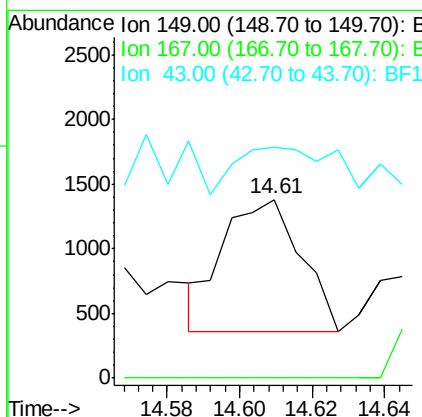
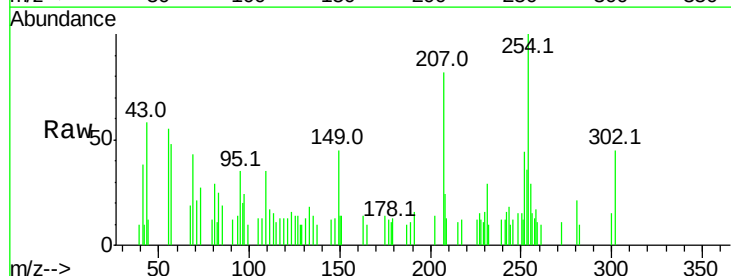
Instrument :
 BNA_F
 ClientSampleId :

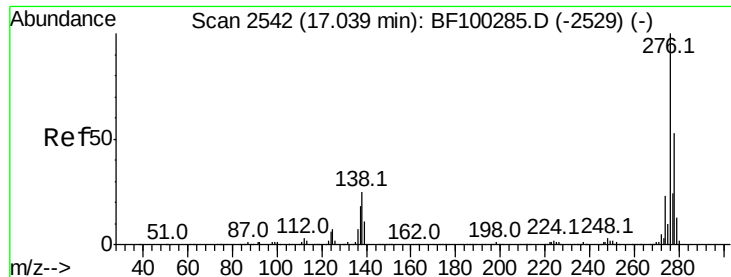
Tot Ion:149 Resp: 2113
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 0.0 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.145 ng
 RT: 14.61 min Scan# 2129
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion:149 Resp: 1527
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 74.1 8.4 12.6#

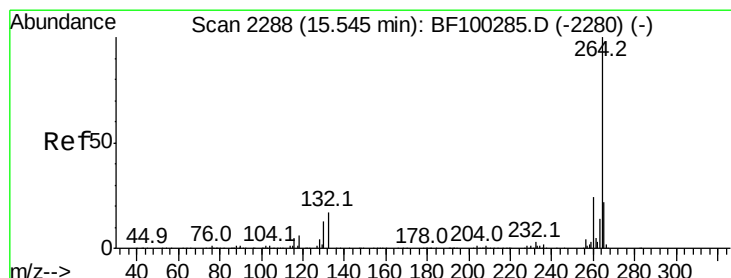
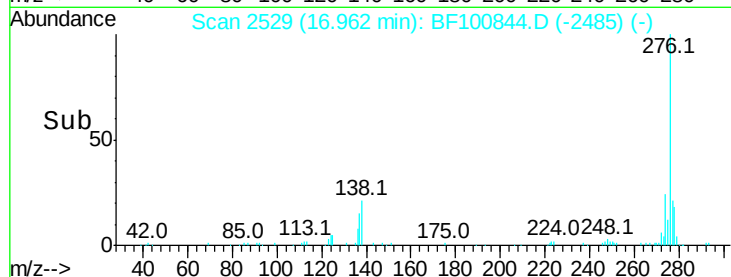
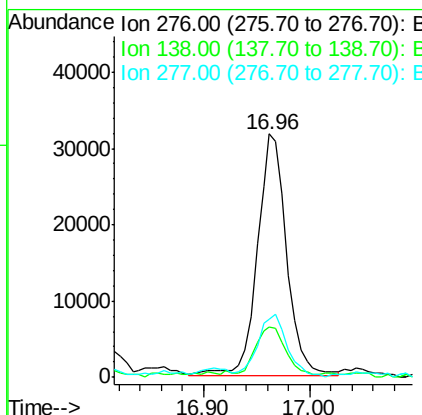
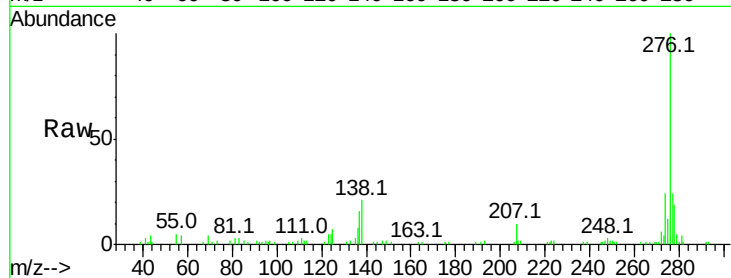




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.105 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

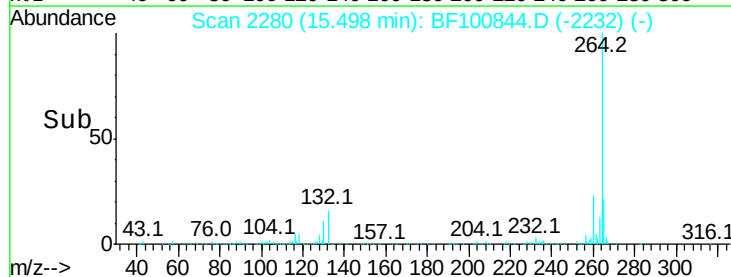
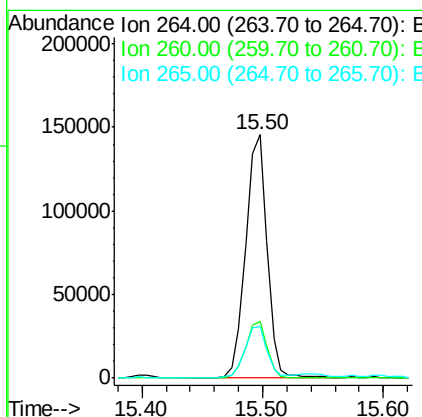
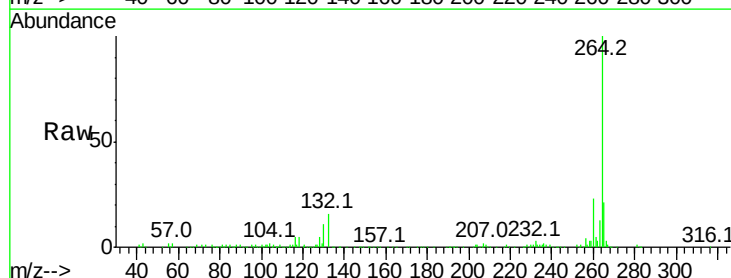
Instrument :
BNA_F
ClientSampleId :

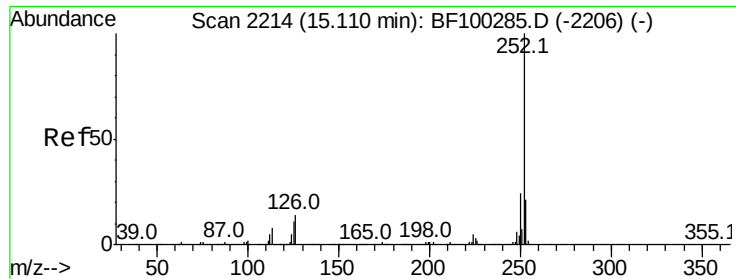
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	26.6	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	17.5	26.3

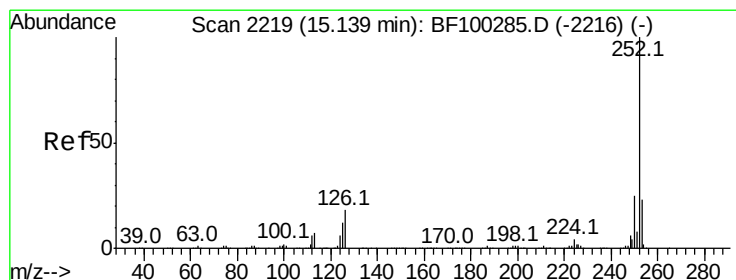
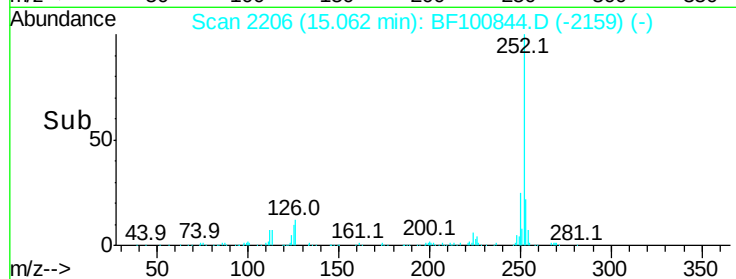
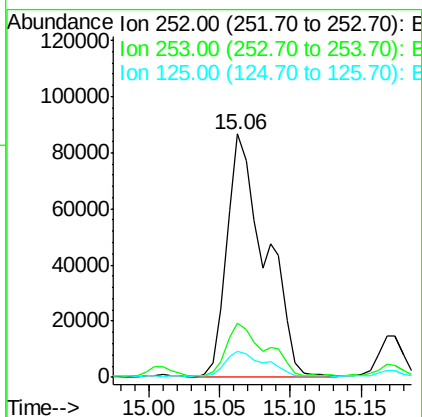
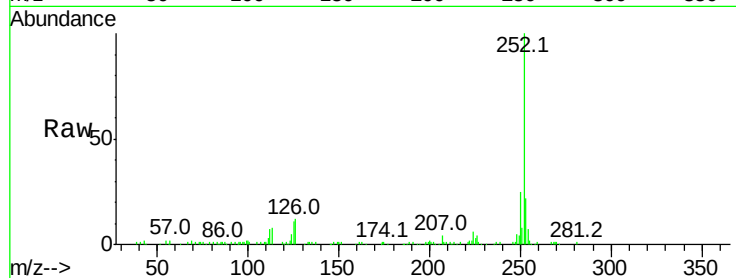




#87
Benzo(b)fluoranthene
Concen: 15.343 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

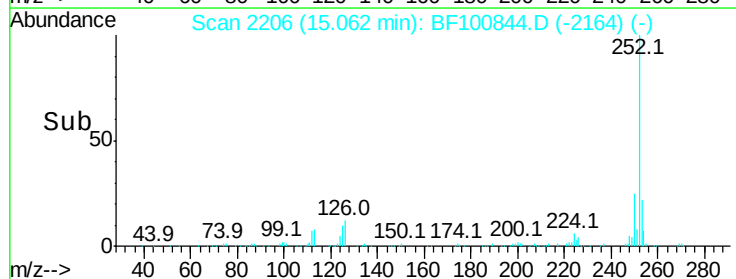
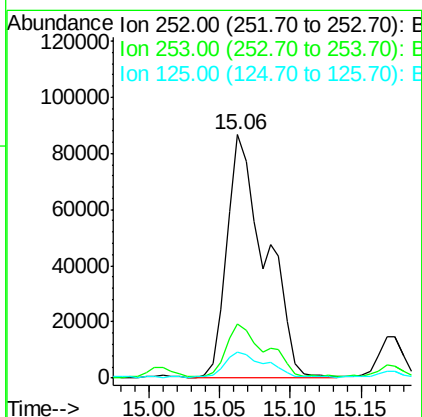
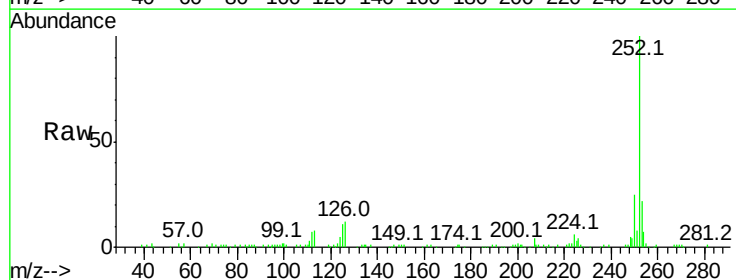
Instrument :
BNA_F
ClientSampled :

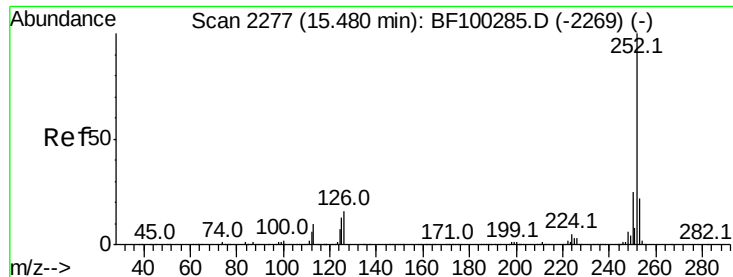
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 16.238 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.437 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.09 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampled :

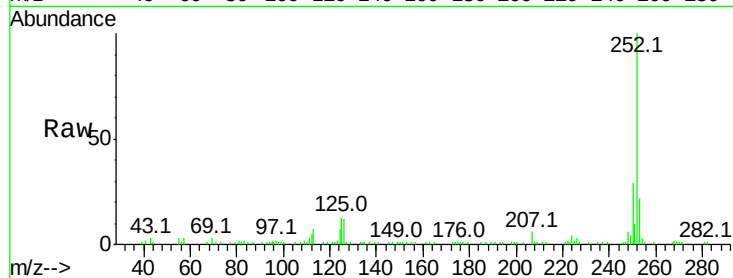
Tot Ion:252 Resp: 61742

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

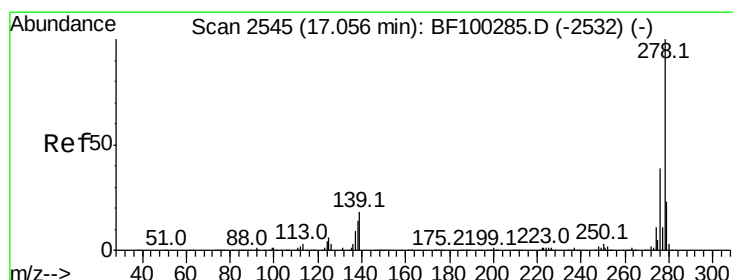
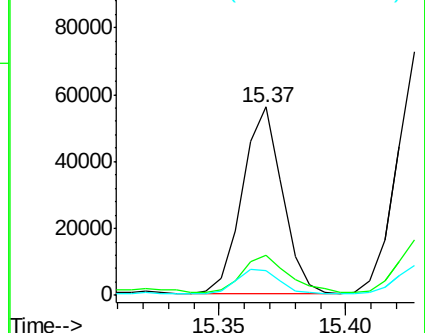
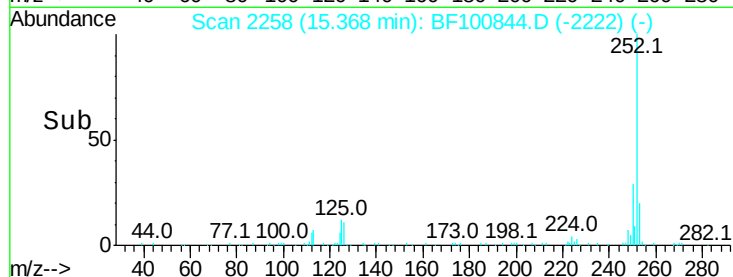
125 13.0 9.8 14.6



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: 1.553 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.12 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

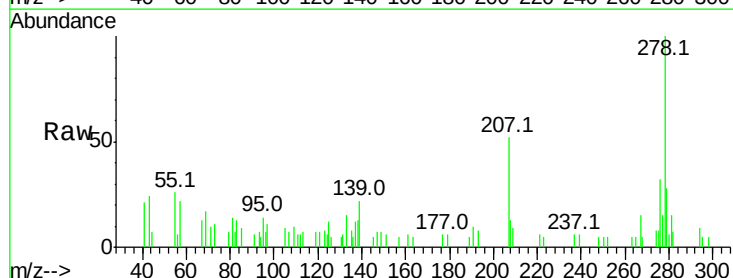
Tgt Ion:278 Resp: 12178

Ion Ratio Lower Upper

278 100

139 21.7 15.9 23.9

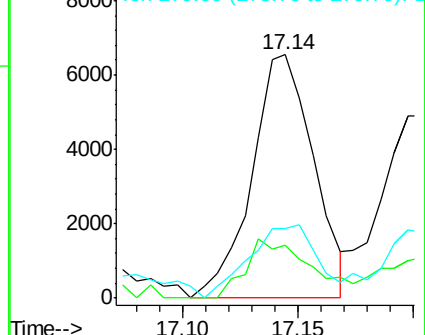
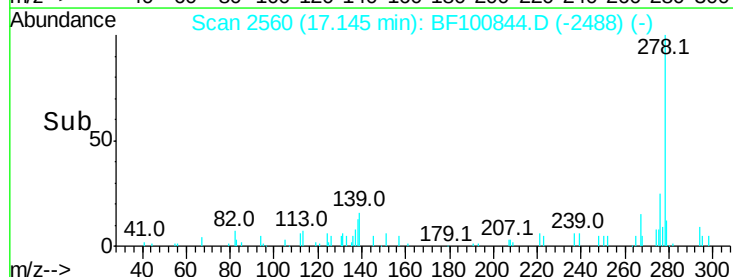
279 28.4 19.0 28.4

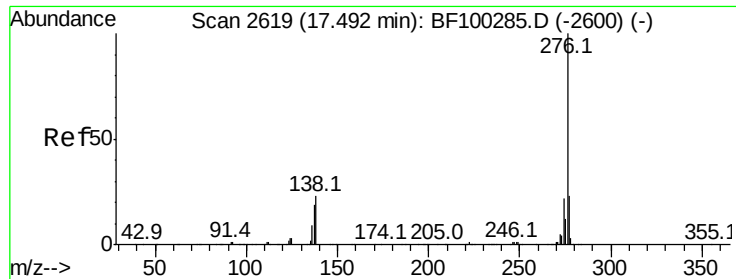


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.925 ng

RT: 17.64 min Scan# 2645

Delta R.T. 0.19 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

ClientSampleId :

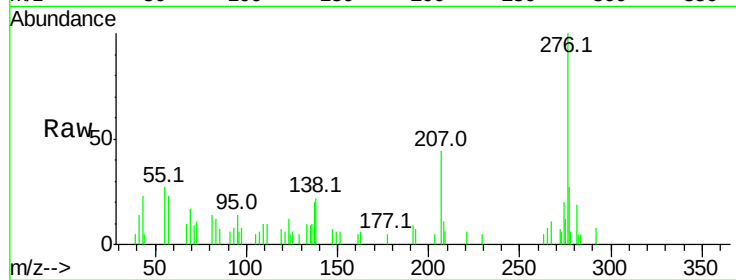
Tot Ion:276 Resp: 14782

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 21.8 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

