

Data File : BF100741.D
Acq On : 20 Nov 2017 20:20
Operator : SJ/JU
Sample : I6521-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Quant Time: Nov 21 03:29:52 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	6.87	152	95809	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	380681	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	179814	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	348378	20.00	ng	0.00
75) Chrysene-d12	14.04	240	227263	20.00	ng	0.00
86) Perylene-d12	15.50	264	191547	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	700749	117.24	ng	0.00
7) Phenol-d6	6.50	99	882104	119.68	ng	0.00
23) Nitrobenzene-d5	7.44	82	542065	94.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	254110	138.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1041617	88.21	ng	0.00
78) Terphenyl-d14	12.98	244	997125	100.81	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.71	88	90939	31.22	ng 97
3) Pyridine	3.48	79	247309	31.12	ng 95
4) n-Nitrosodimethylamine	3.43	42	134666	34.90	ng 98
6) Aniline	6.55	93	283271	27.20	ng 99
8) 2-Chlorophenol	6.66	128	289808	45.83	ng 94
9) Benzaldehyde	6.42	77	101551	19.29	ng 96
10) Phenol	6.52	94	375995	48.60	ng 98
11) bis(2-Chloroethyl)ether	6.61	93	264014	40.62	ng 98
12) 1,3-Dichlorobenzene	6.82	146	310662	42.62	ng 97
13) 1,4-Dichlorobenzene	6.89	146	318182	43.12	ng 96
14) 1,2-Dichlorobenzene	7.05	146	300672	44.07	ng 96
15) Benzyl Alcohol	7.02	79	254084	44.17	ng 97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	464743	44.71	ng 98
17) 2-Methylphenol	7.12	107	252859	46.80	ng 99
18) Hexachloroethane	7.39	117	104397	42.91	ng 91
19) n-Nitroso-di-n-propylamine	7.29	70	201243	39.37	ng 99
20) 3+4-Methylphenols	7.27	107	305248	44.64	ng # 89
22) Acetophenone	7.29	105	386610	41.65	ng # 98
24) Nitrobenzene	7.46	77	300429	50.69	ng 98
25) Isophorone	7.70	82	555199	45.88	ng 99
26) 2-Nitrophenol	7.77	139	165492	58.26	ng 95
27) 2,4-Dimethylphenol	7.80	122	276931	51.06	ng 99
28) bis(2-Chloroethoxy)methane	7.90	93	353288	44.64	ng 98
29) 2,4-Dichlorophenol	8.01	162	269404	52.03	ng 97
30) 1,2,4-Trichlorobenzene	8.09	180	263429	47.03	ng 98
31) Naphthalene	8.18	128	835543	45.57	ng 99
32) Benzoic acid	7.87	122	25240	14.26	ng 93
33) 4-Chloroaniline	8.22	127	118599	15.54	ng 97
34) Hexachlorobutadiene	8.29	225	149935	45.02	ng 97
35) Caprolactam	8.60	113	39809	22.40	ng 98
36) 4-Chloro-3-methylphenol	8.70	107	274658	49.39	ng 99
37) 2-Methylnaphthalene	8.87	142	572124	47.00	ng 98
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	266393	44.67	ng 97
40) Hexachlorocyclopentadiene	9.02	237	259002	92.28	ng 99

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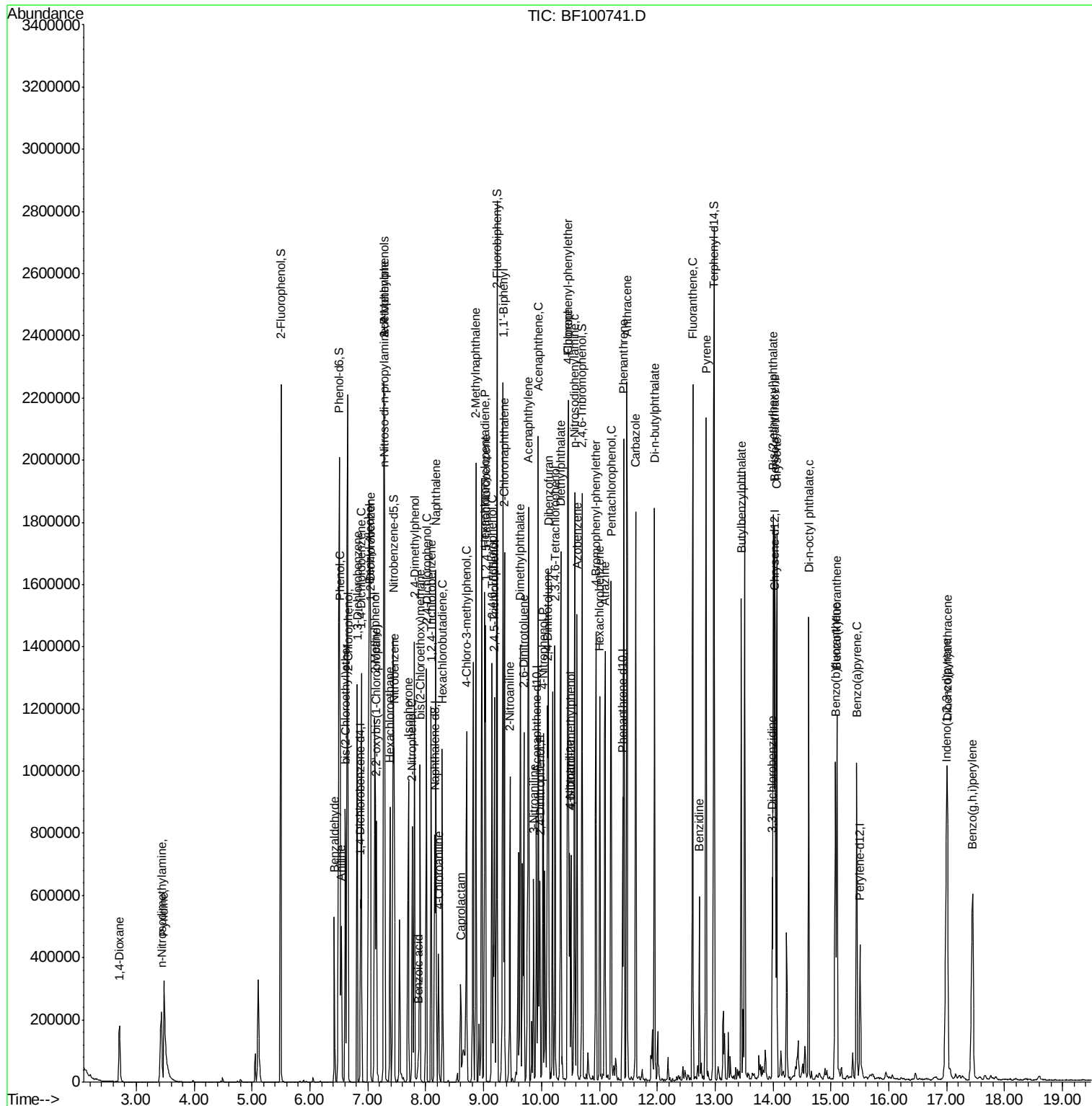
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	201240	53.24	ng	98
43) 2,4,5-Trichlorophenol	9.19	196	209005	53.37	ng	94
45) 1,1'-Biphenyl	9.33	154	680540	43.76	ng	99
46) 2-Chloronaphthalene	9.36	162	544891	48.30	ng	97
47) 2-Nitroaniline	9.46	65	172453	51.51	ng	95
48) Acenaphthylene	9.77	152	827034	44.23	ng	100
49) Dimethylphthalate	9.64	163	711590	51.83	ng	98
50) 2,6-Dinitrotoluene	9.70	165	148708	54.72	ng	88
51) Acenaphthene	9.95	154	496310	43.65	ng	99
52) 3-Nitroaniline	9.86	138	106315	33.13	ng	96
53) 2,4-Dinitrophenol	9.97	184	99738	82.48	ng	# 12
54) Dibenzofuran	10.12	168	739682	46.41	ng	96
55) 4-Nitrophenol	10.03	139	246977	94.78	ng	94
56) 2,4-Dinitrotoluene	10.10	165	193853	56.54	ng	# 90
57) Fluorene	10.46	166	584136	50.03	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.23	232	169800	52.91	ng	# 85
59) Diethylphthalate	10.33	149	608803	44.31	ng	96
60) 4-Chlorophenyl-phenylether	10.45	204	268216	46.83	ng	92
61) 4-Nitroaniline	10.49	138	159228	52.33	ng	88
62) Azobenzene	10.61	77	544288	42.06	ng	95
64) 4,6-Dinitro-2-methylphenol	10.51	198	99701	55.13	ng	85
65) n-Nitrosodiphenylamine	10.57	169	536477	44.29	ng	96
66) 4-Bromophenyl-phenylether	10.94	248	176414	47.24	ng	# 90
67) Hexachlorobenzene	11.01	284	183684	47.03	ng	# 85
68) Atrazine	11.10	200	173531	47.33	ng	95
69) Pentachlorophenol	11.20	266	219585	78.40	ng	98
70) Phenanthrene	11.42	178	860649	46.92	ng	98
71) Anthracene	11.47	178	911944	49.00	ng	99
72) Carbazole	11.63	167	801416	46.67	ng	99
73) Di-n-butylphthalate	11.95	149	932343	46.40	ng	99
74) Fluoranthene	12.61	202	1044386	53.72	ng	97
76) Benzidine	12.73	184	211425	23.23	ng	98
77) Pyrene	12.85	202	1024918	63.27	ng	99
79) Butylbenzylphthalate	13.45	149	357715	54.14	ng	94
80) Benzo(a)anthracene	14.03	228	743421	54.32	ng	99
81) 3,3'-Dichlorobenzidine	13.99	252	126203	25.74	ng	# 96
82) Chrysene	14.06	228	661259	49.90	ng	100
83) Bis(2-ethylhexyl)phthalate	14.00	149	471929	54.31	ng	99
84) Di-n-octyl phthalate	14.62	149	670619	44.92	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	646642	60.32	ng	95
87) Benzo(b)fluoranthene	15.07	252	592369	52.20	ng	99
88) Benzo(k)fluoranthene	15.10	252	486541	45.38	ng	98
89) Benzo(a)pyrene	15.44	252	534989	53.18	ng	100
90) Dibenzo(a,h)anthracene	17.01	278	503630	61.21	ng	97
91) Benzo(g,h,i)perylene	17.44	276	573107	71.16	ng	94

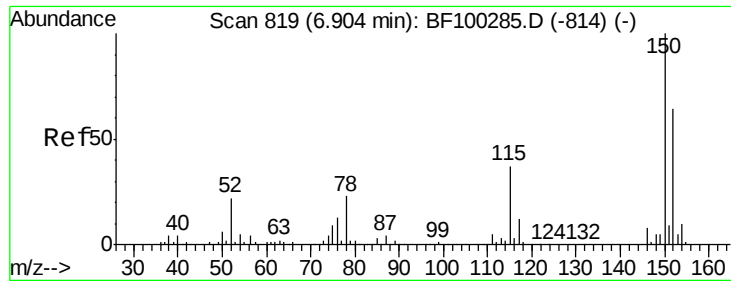
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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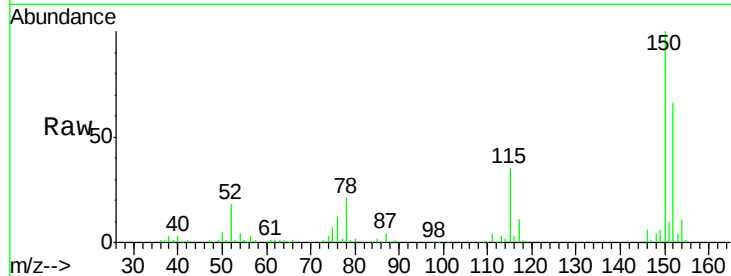


#1

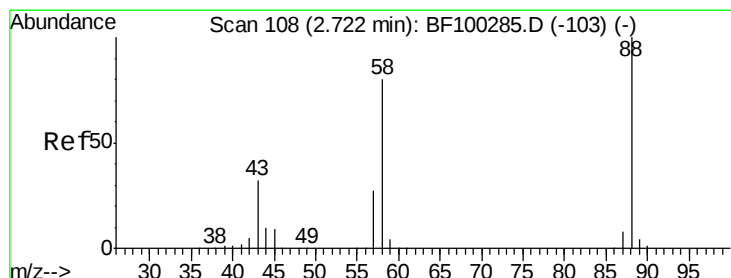
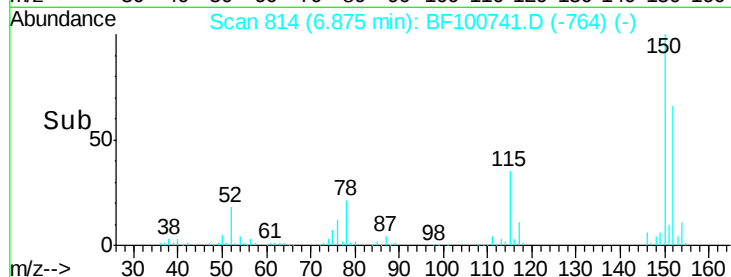
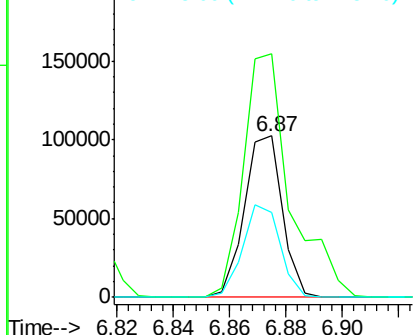
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:152 Resp: 95809
Ion Ratio Lower Upper
152 100
150 150.9 124.6 186.8
115 52.7 50.1 75.1



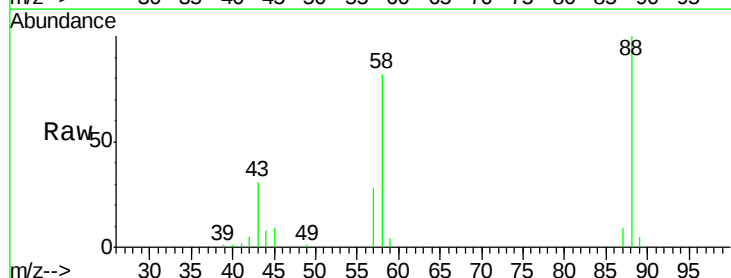
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



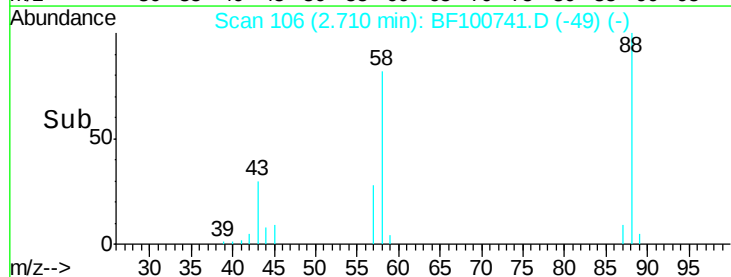
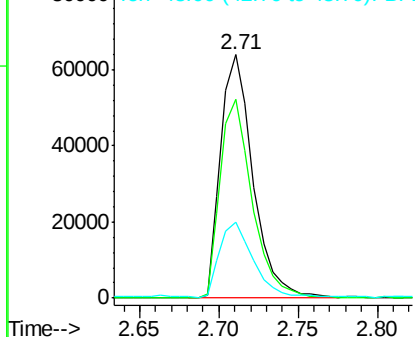
#2

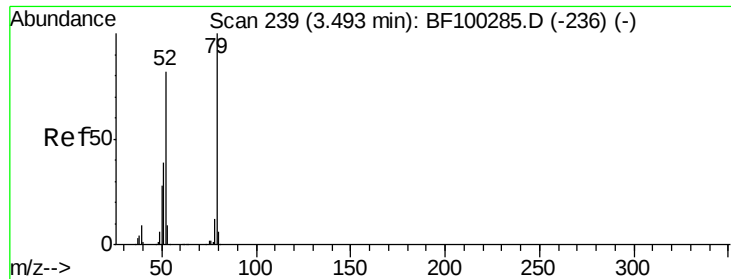
1,4-Dioxane
Concen: 31.22 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.04 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion: 88 Resp: 90939
Ion Ratio Lower Upper
88 100
58 80.8 62.6 93.8
43 33.2 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 31.12 ng

RT: 3.48 min Scan# 236

Delta R.T. 0.03 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

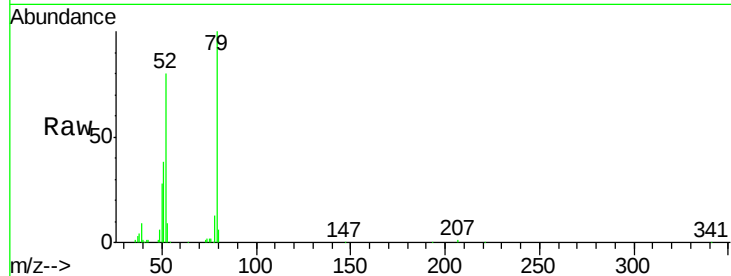
Tgt Ion: 79 Resp: 247309

Ion Ratio Lower Upper

79 100

52 80.4 59.8 89.6

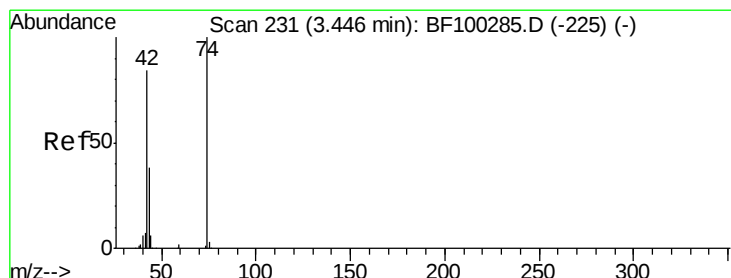
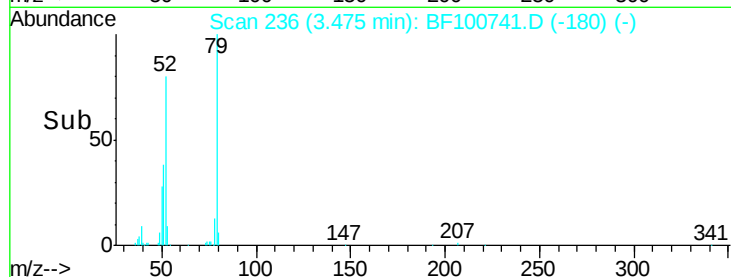
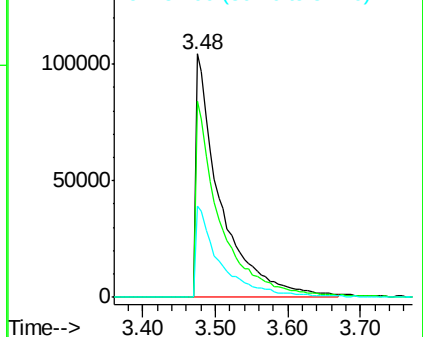
51 37.7 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 34.90 ng

RT: 3.43 min Scan# 229

Delta R.T. 0.03 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

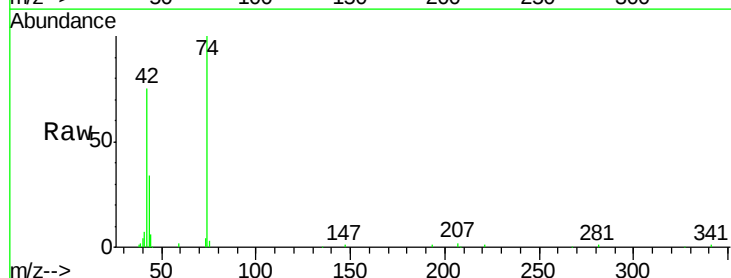
Tgt Ion: 42 Resp: 134666

Ion Ratio Lower Upper

42 100

74 133.6 104.9 157.3

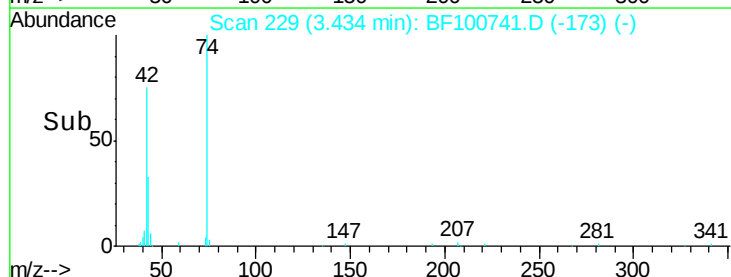
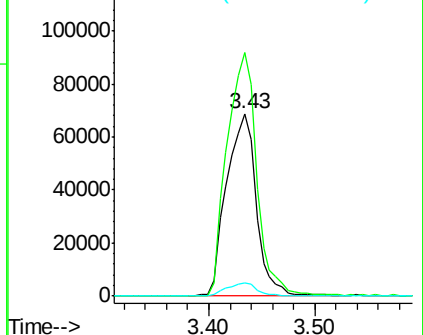
44 7.5 6.9 10.3

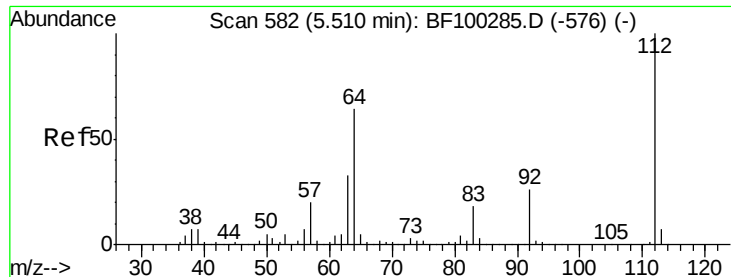


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 117.24 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF100741.D

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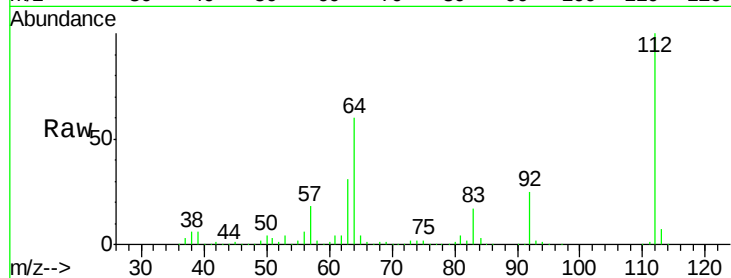
Tgt Ion: 112 Resp: 700749

Ion Ratio Lower Upper

112 100

64 59.7 47.9 71.9

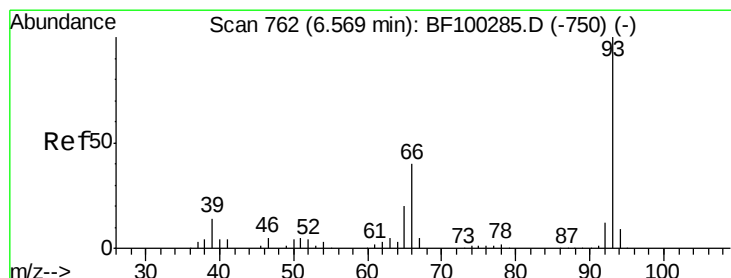
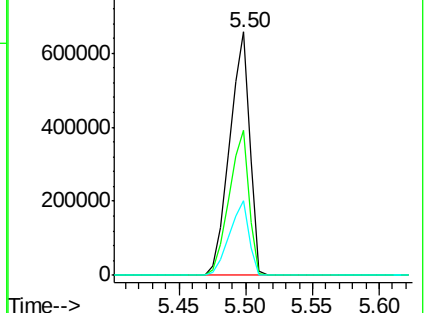
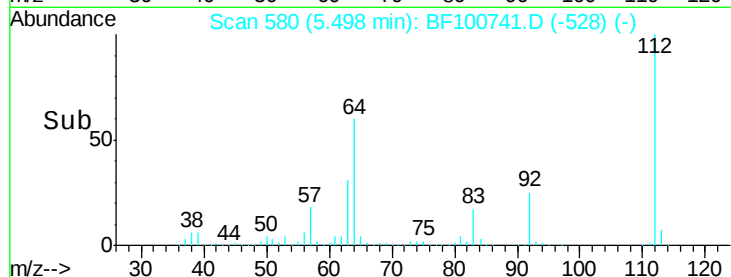
63 30.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 27.20 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

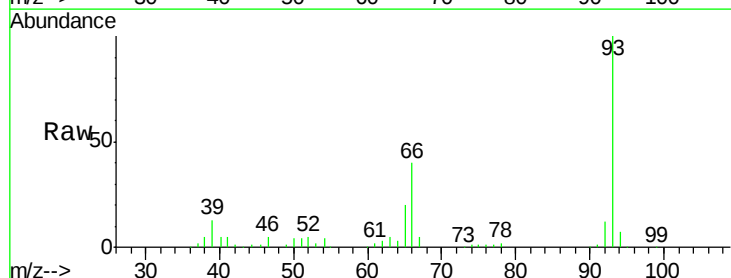
Tgt Ion: 93 Resp: 283271

Ion Ratio Lower Upper

93 100

66 40.0 32.2 48.2

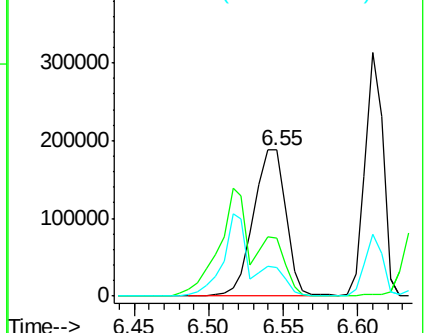
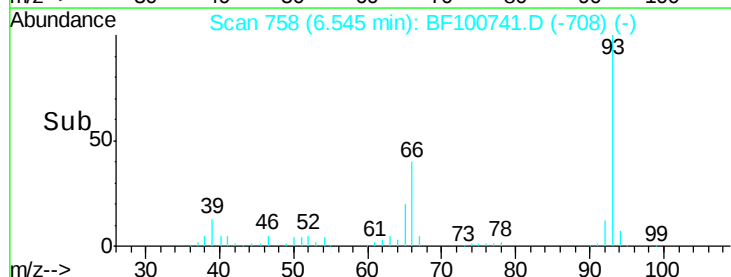
65 20.0 16.4 24.6



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: 119.68 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

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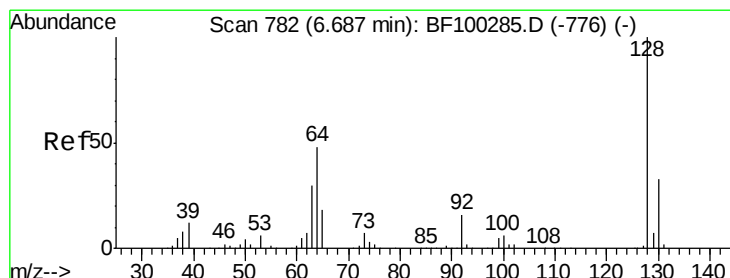
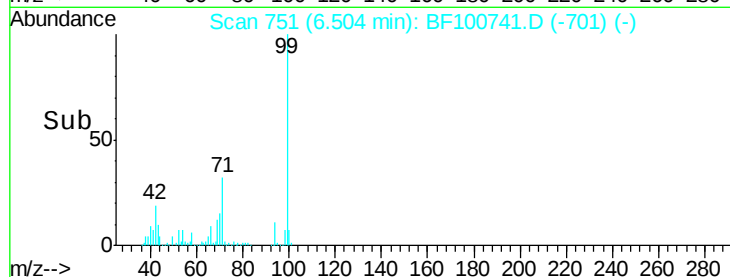
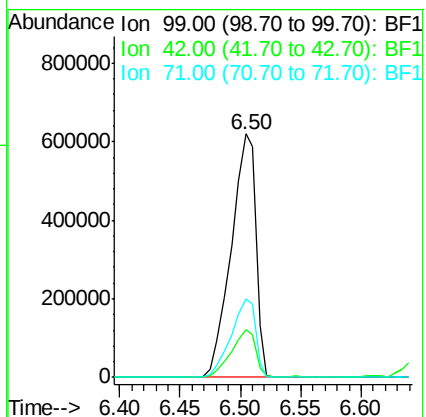
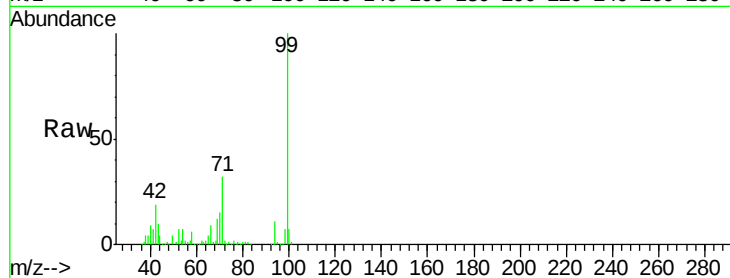
Tgt Ion: 99 Resp: 882104

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 32.1 25.4 38.0



#8

2-Chlorophenol

Concen: 45.83 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

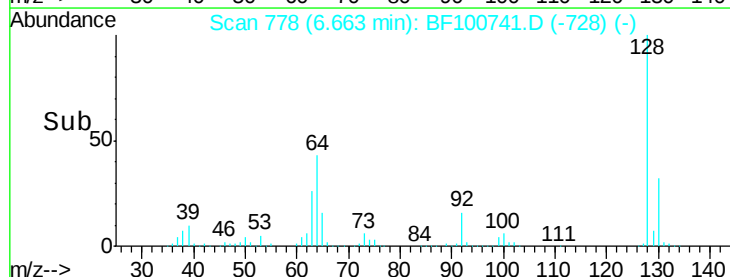
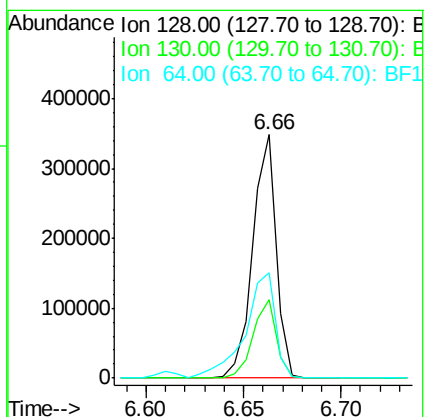
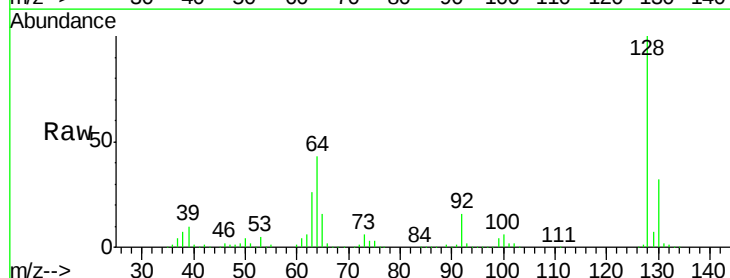
Tgt Ion: 128 Resp: 289808

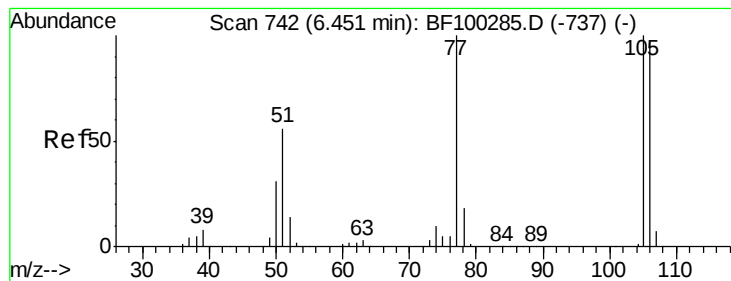
Ion Ratio Lower Upper

128 100

130 32.2 13.0 53.0

64 43.4 29.4 69.4





#9

Benzaldehyde

Concen: 19.29 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

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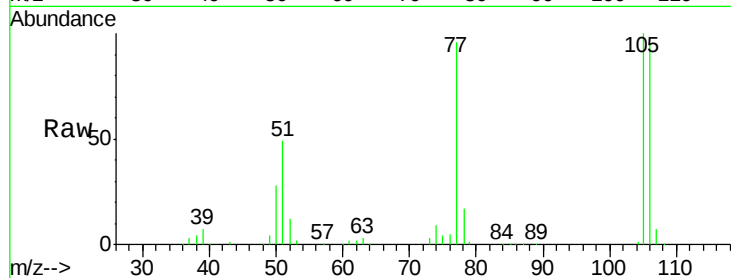
Tgt Ion: 77 Resp: 101551

Ion Ratio Lower Upper

77 100

105 104.3 81.1 121.1

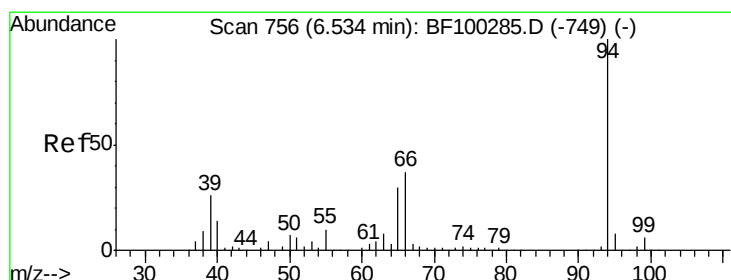
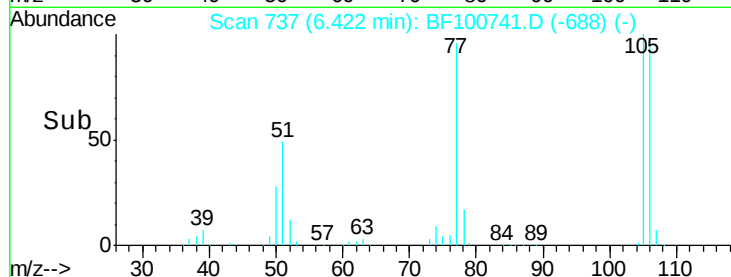
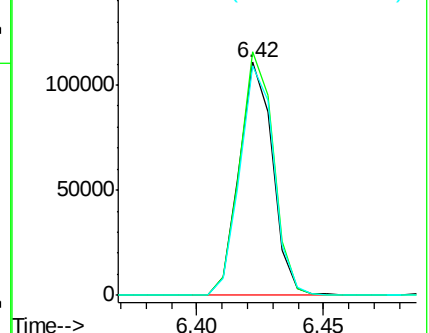
106 98.7 74.5 114.5



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: 48.60 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

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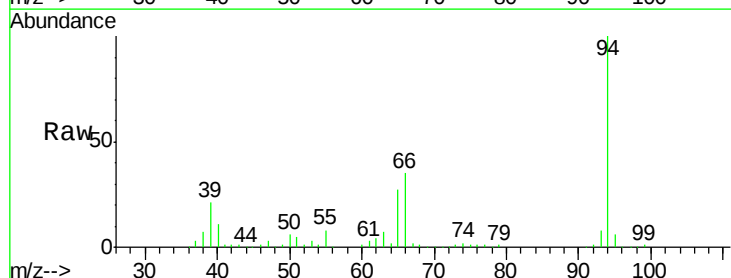
Tgt Ion: 94 Resp: 375995

Ion Ratio Lower Upper

94 100

65 26.8 7.9 47.9

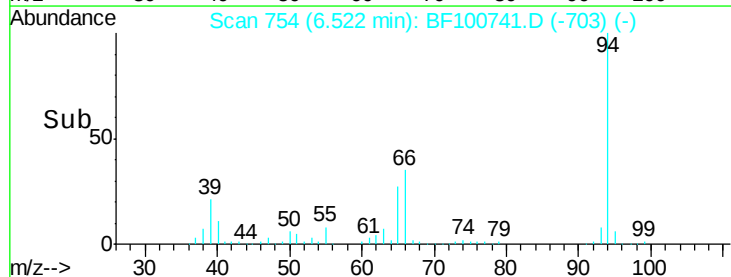
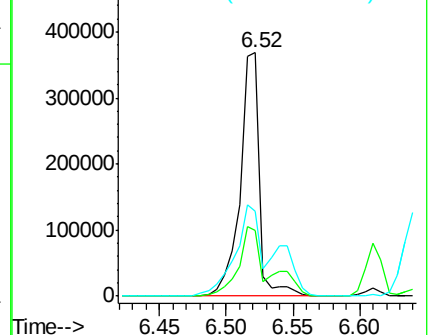
66 35.1 16.2 56.2

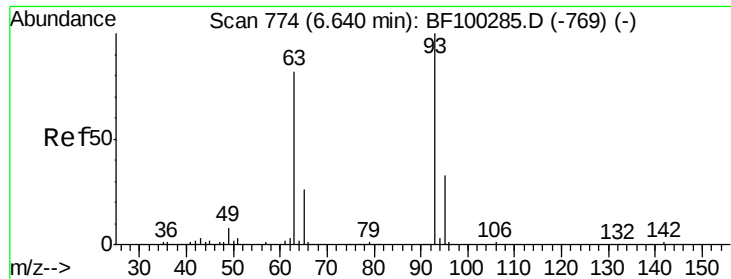


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

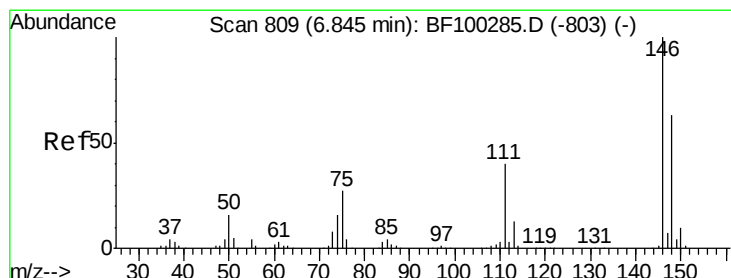
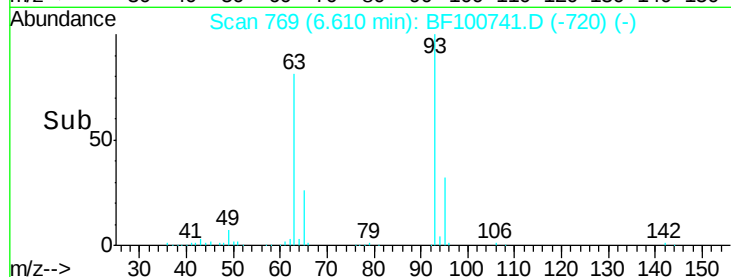
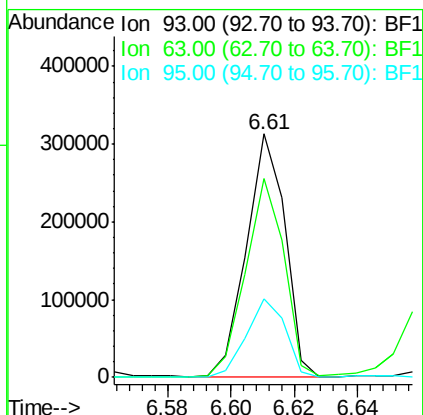
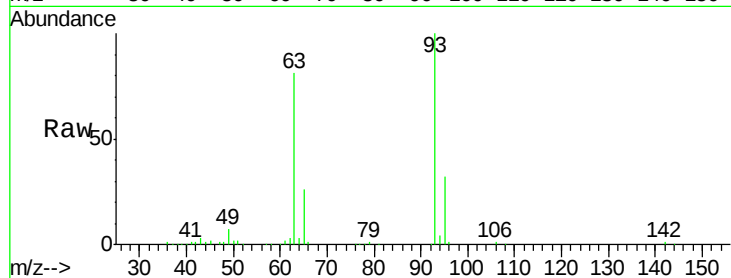




#11
 bis(2-Chloroethyl)ether
 Concen: 40.62 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

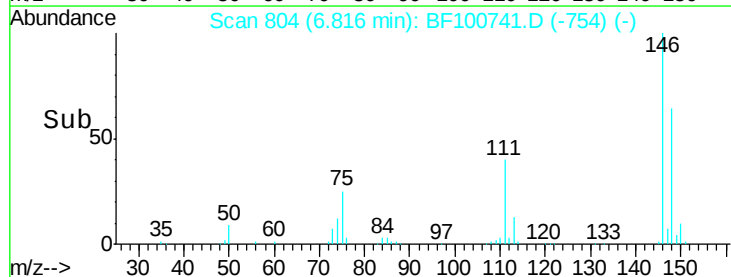
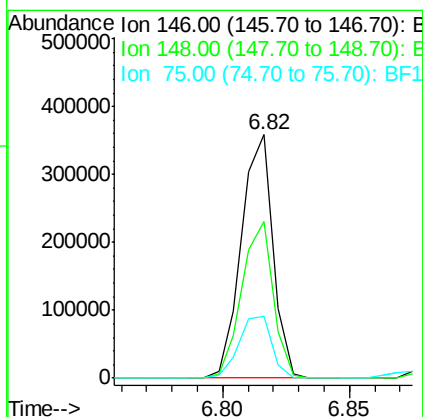
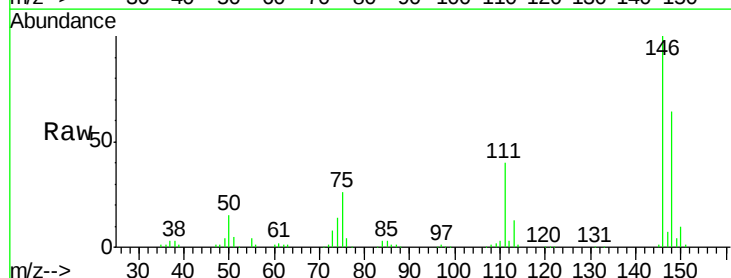
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

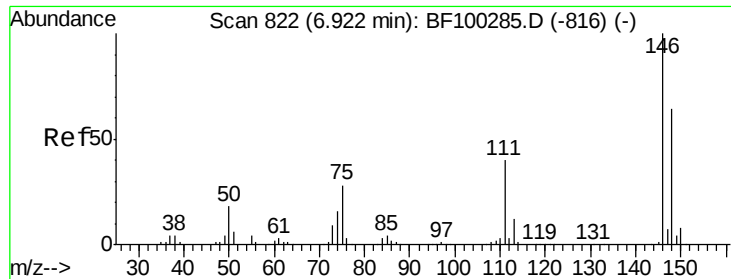
Tgt Ion: 93 Resp: 264014
 Ion Ratio Lower Upper
 93 100
 63 81.5 58.6 98.6
 95 32.1 11.8 51.8



#12
 1,3-Dichlorobenzene
 Concen: 42.62 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion: 146 Resp: 310662
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.8 77.8
 75 25.6 24.2 36.4

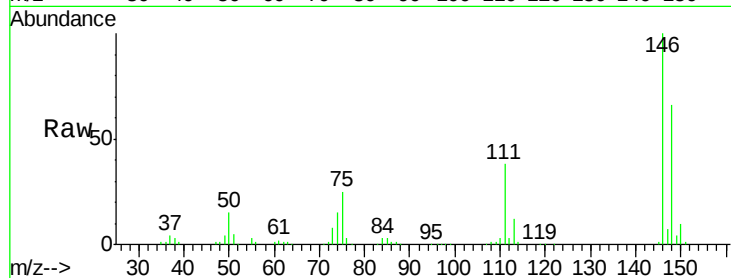




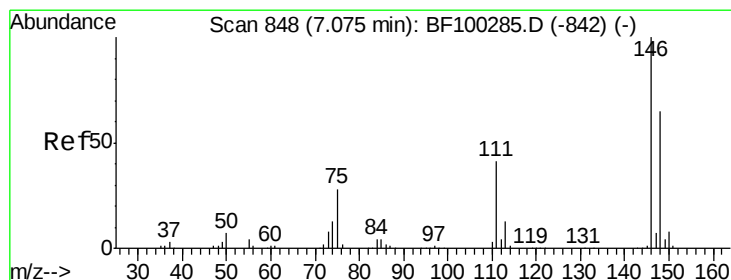
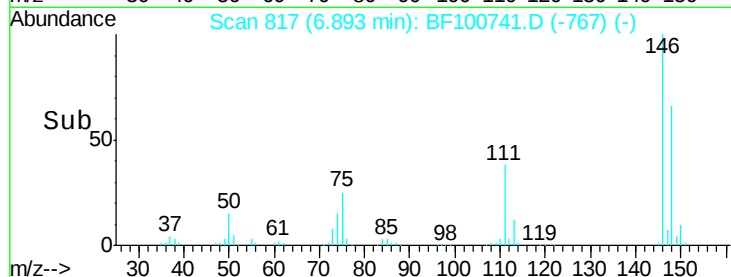
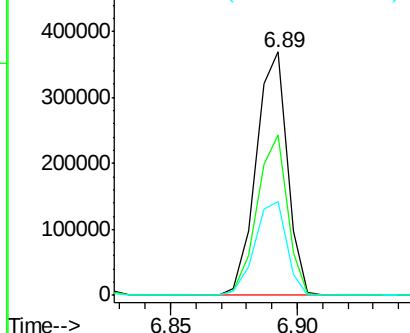
#13
 1,4-Dichlorobenzene
 Concen: 43.12 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion:146 Resp: 318182
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.8 76.2
 111 38.4 34.2 51.2

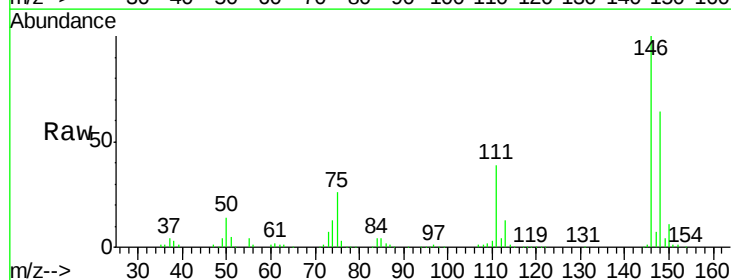


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

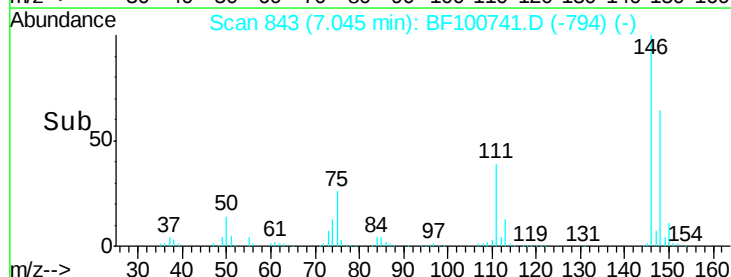
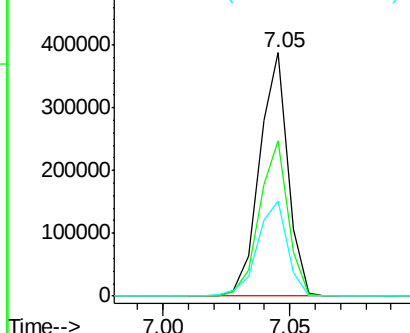


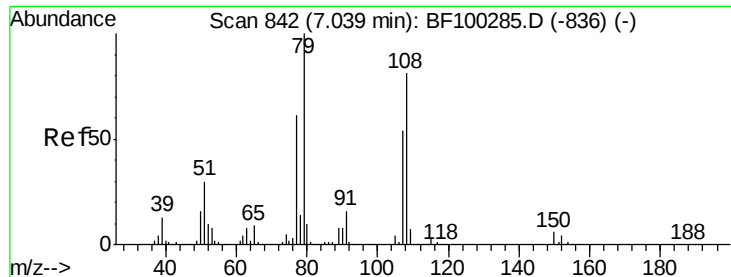
#14
 1,2-Dichlorobenzene
 Concen: 44.07 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:146 Resp: 300672
 Ion Ratio Lower Upper
 146 100
 148 63.7 50.6 75.8
 111 39.1 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.17 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

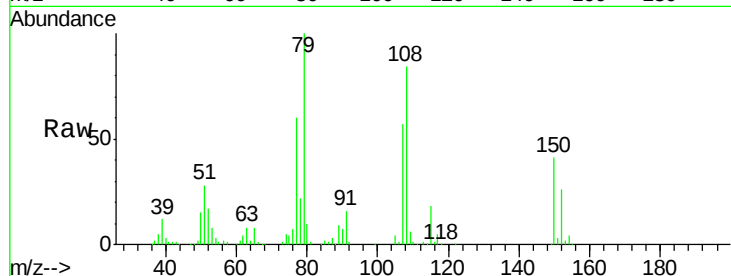
Tgt Ion: 79 Resp: 254084

Ion Ratio Lower Upper

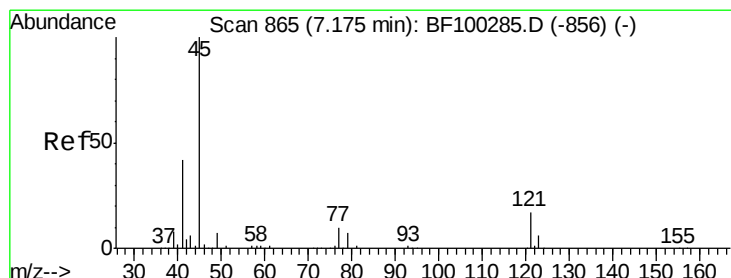
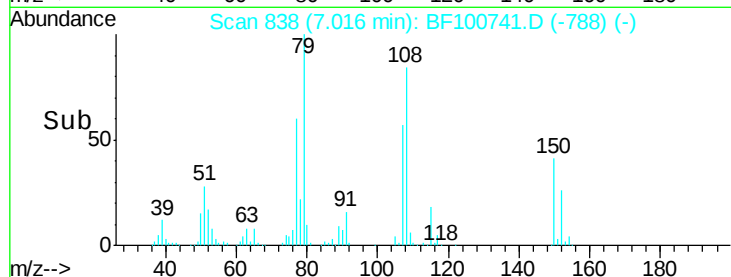
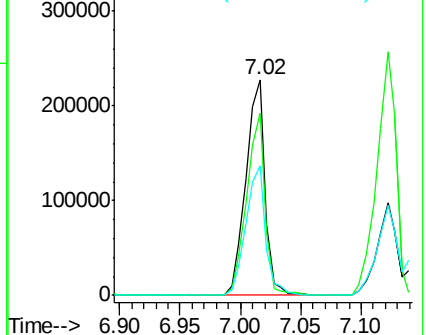
79 100

108 84.3 65.1 97.7

77 60.3 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'-oxybis(1-Chloropropane)

Concen: 44.71 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

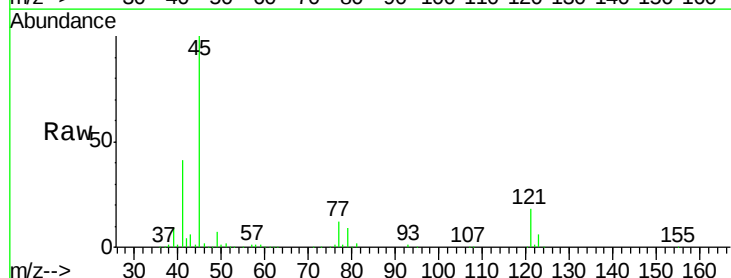
Tgt Ion: 45 Resp: 464743

Ion Ratio Lower Upper

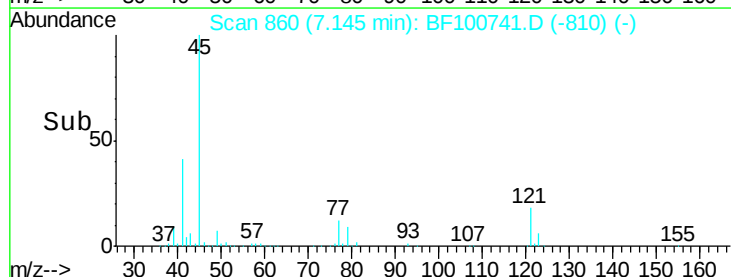
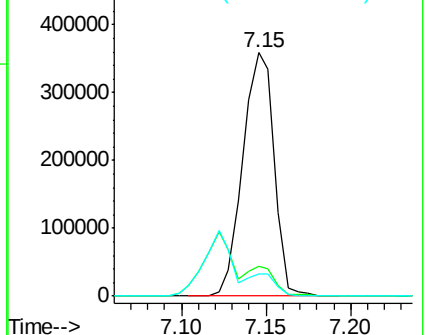
45 100

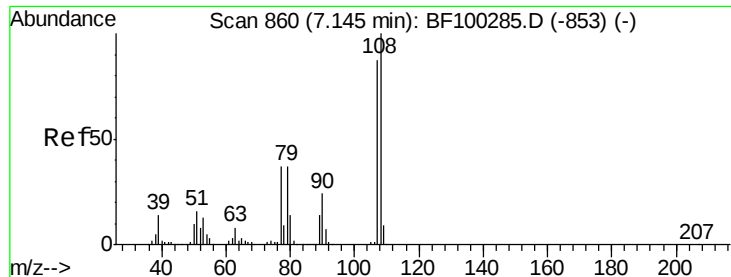
77 12.1 0.0 32.9

79 9.1 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





#17

2-Methylphenol

Concen: 46.80 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

Tgt Ion:107 Resp: 252859

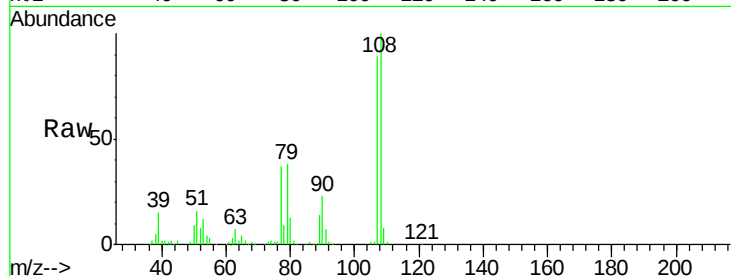
Ion Ratio Lower Upper

107 100

108 112.3 91.7 137.5

77 41.7 33.8 50.8

79 42.4 33.8 50.8

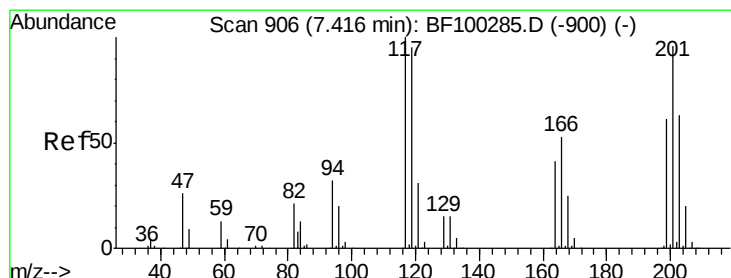
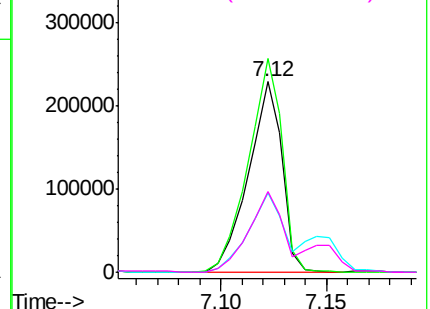
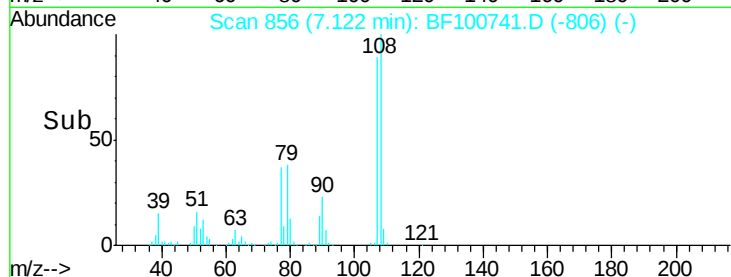


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 42.91 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

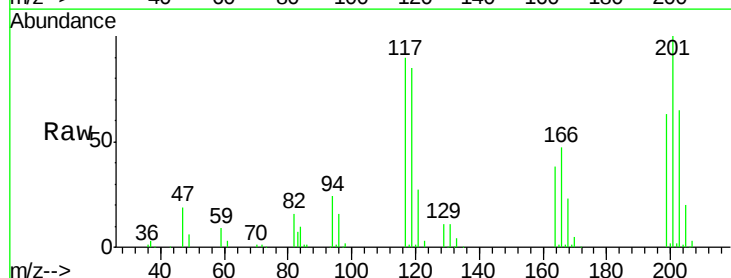
Tgt Ion:117 Resp: 104397

Ion Ratio Lower Upper

117 100

119 95.0 75.8 113.8

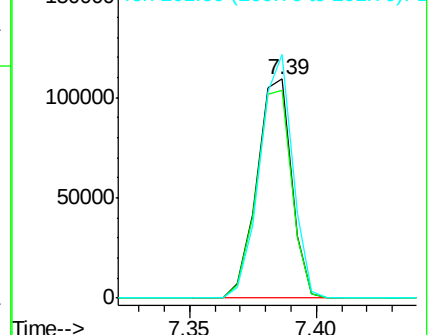
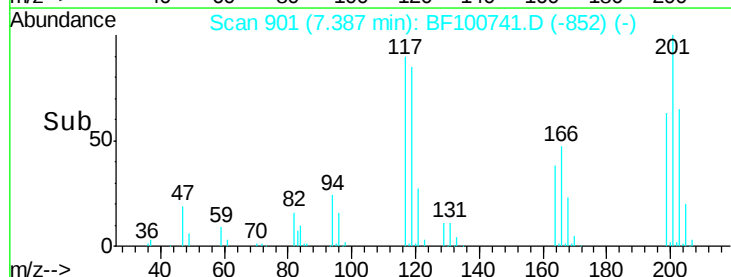
201 111.2 75.7 113.5

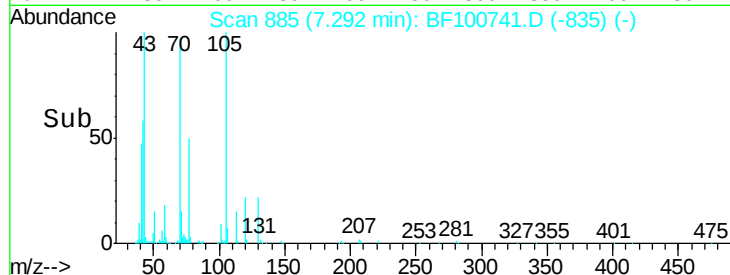
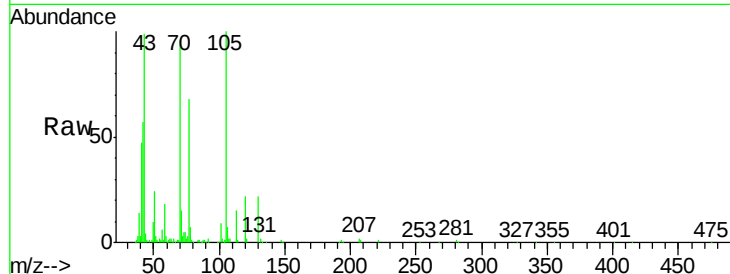
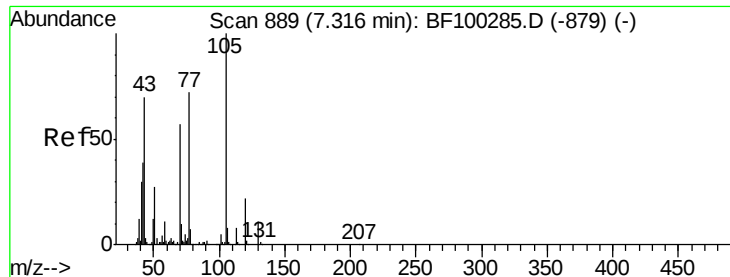


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

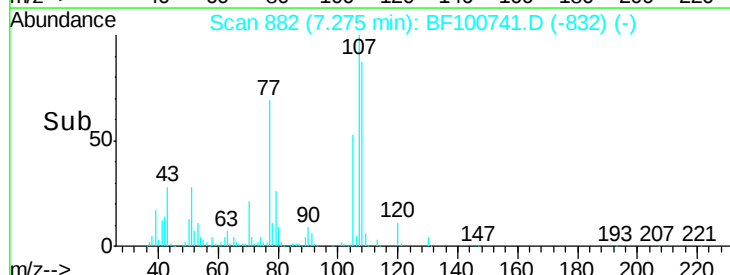
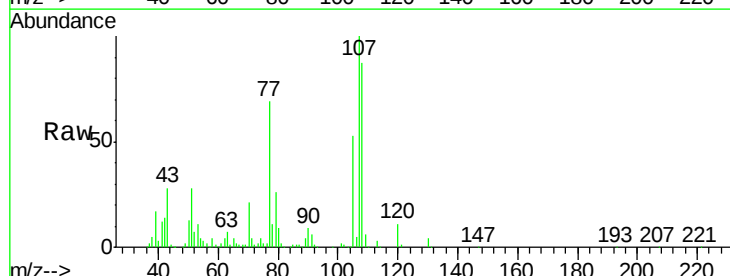
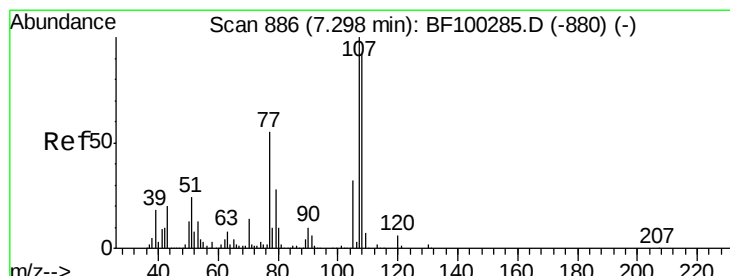
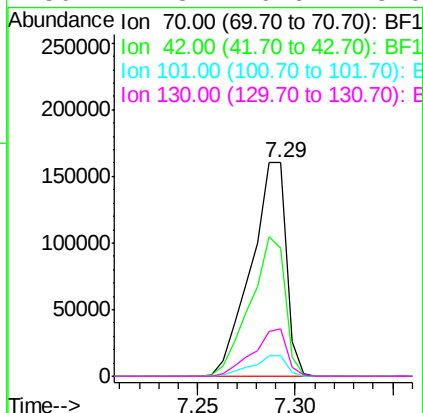




#19
n-Nitroso-di-n-propylamine
Concen: 39.37 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

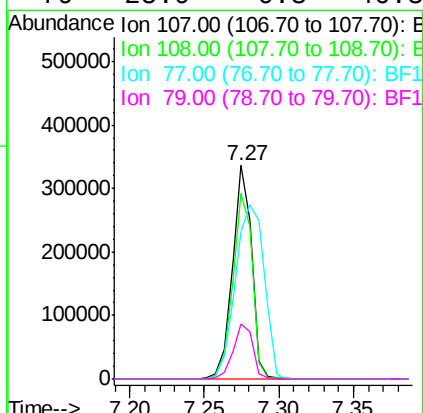
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:	70	Resp:	201243
Ion	Ratio	Lower	Upper
70	100		
42	59.7	47.5	71.3
101	9.4	7.4	11.2
130	22.3	16.6	25.0



#20
3+4-Methylphenols
Concen: 44.64 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:	107	Resp:	305248
Ion	Ratio	Lower	Upper
107	100		
108	86.7	68.2	108.2
77	68.9	26.7	66.7#
79	25.9	6.3	46.3

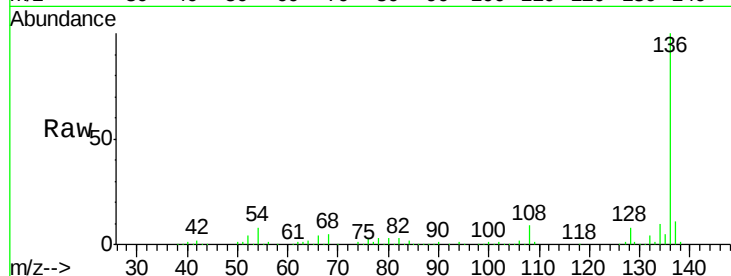




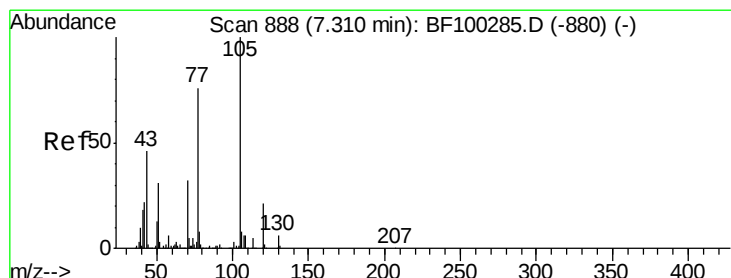
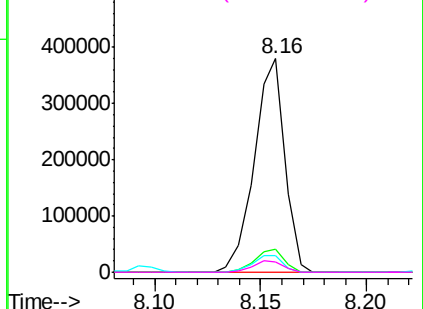
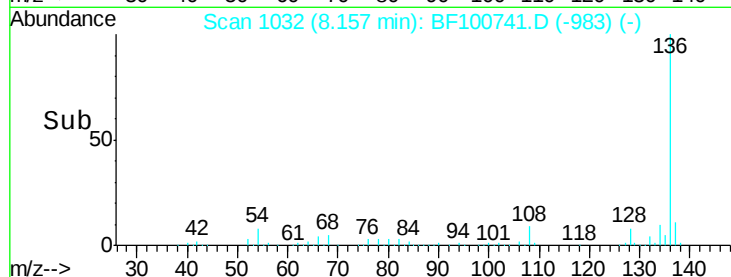
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:	136	Resp:	380681
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.5	6.6	9.8
68	5.1	5.0	7.4

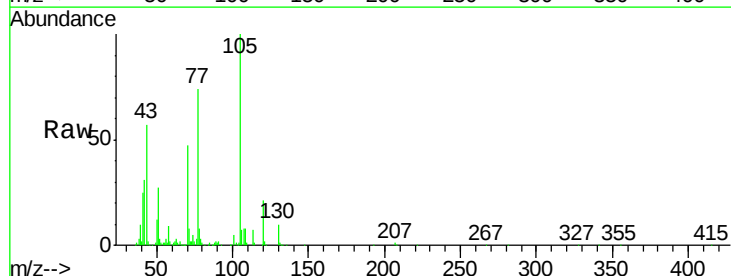


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

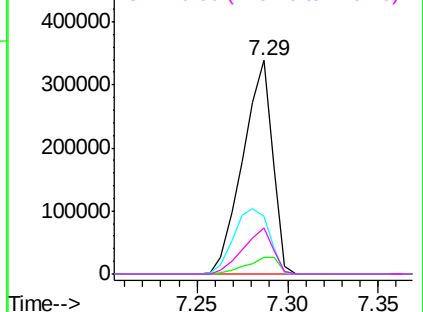
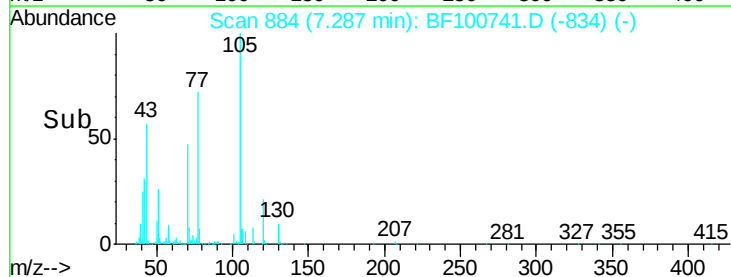


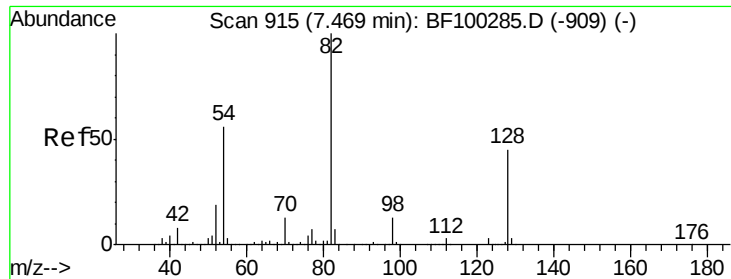
#22
Acetophenone
Concen: 41.65 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:	105	Resp:	386610
Ion Ratio	Lower	Upper	
105	100		
71	8.0	4.4	6.6#
51	26.7	22.3	33.5
120	21.4	16.9	25.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

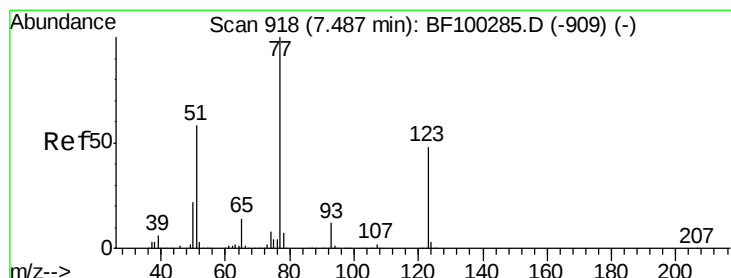
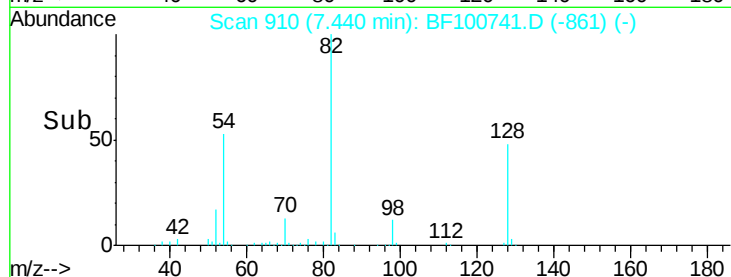
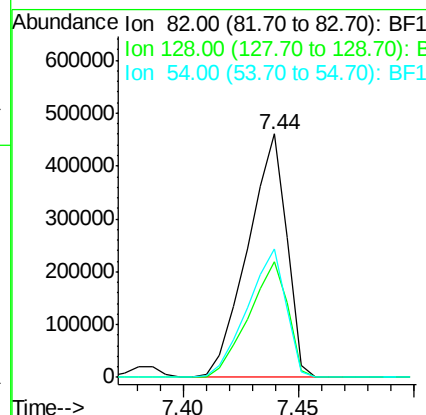
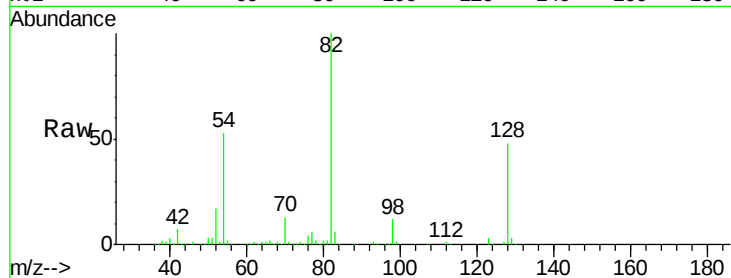




#23
 Nitrobenzene-d5
 Concen: 94.14 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

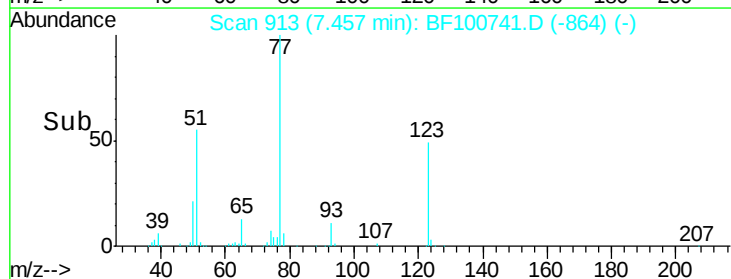
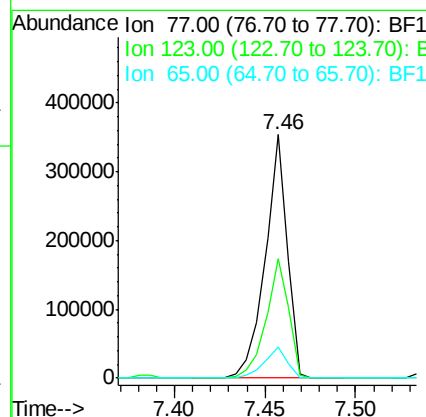
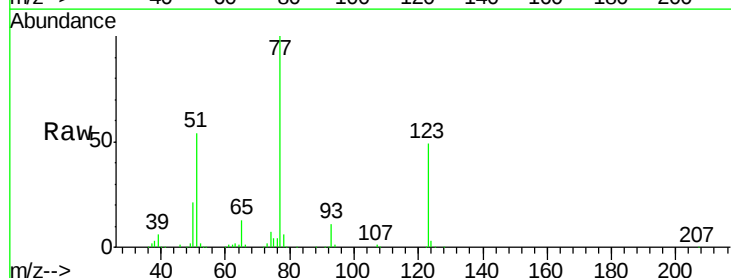
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

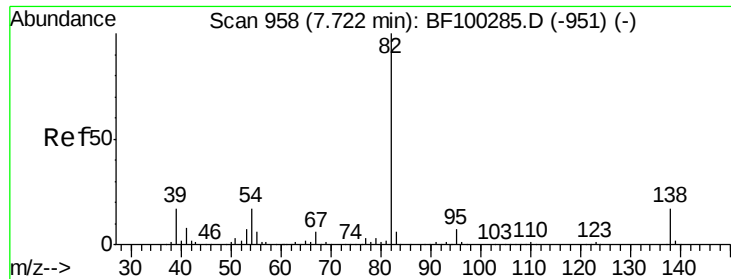
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	52.6	41.4	62.2



#24
 Nitrobenzene
 Concen: 50.69 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.0	37.9	56.9
65	13.0	11.0	16.4





#25

Isophorone

Concen: 45.88 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

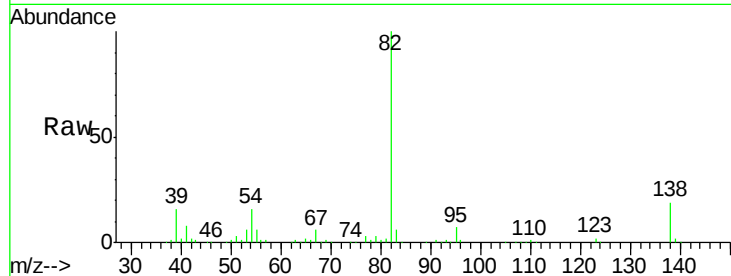
Tgt Ion: 82 Resp: 555199

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

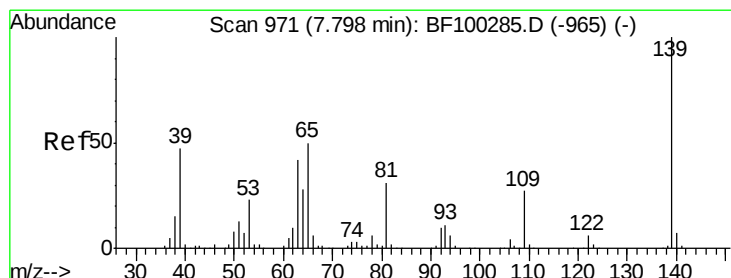
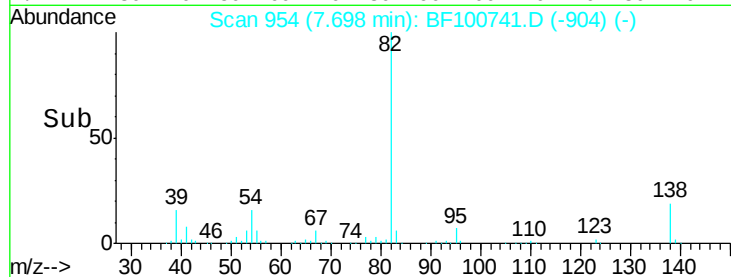
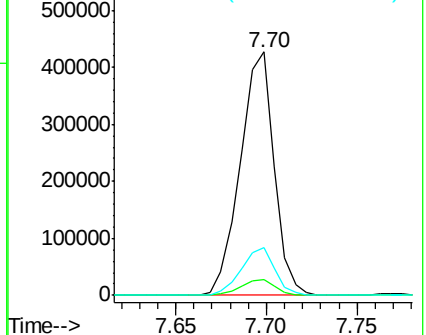
138 19.4 14.9 22.3



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



#26

2-Nitrophenol

Concen: 58.26 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

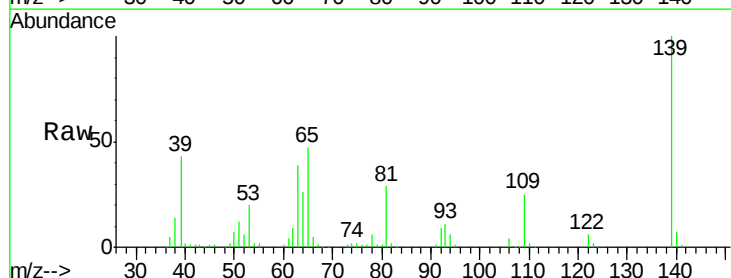
Tgt Ion: 139 Resp: 165492

Ion Ratio Lower Upper

139 100

109 25.2 22.7 34.1

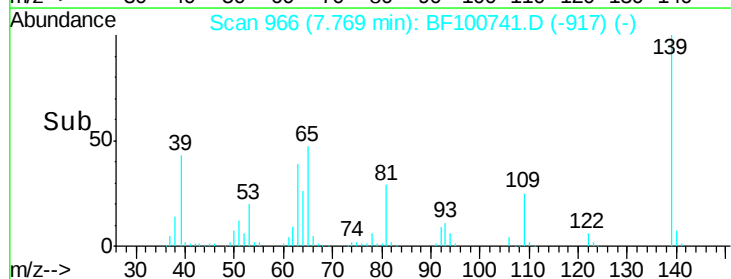
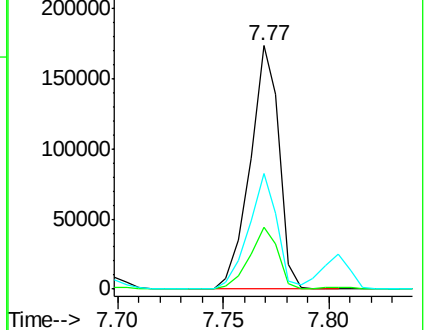
65 47.3 40.5 60.7

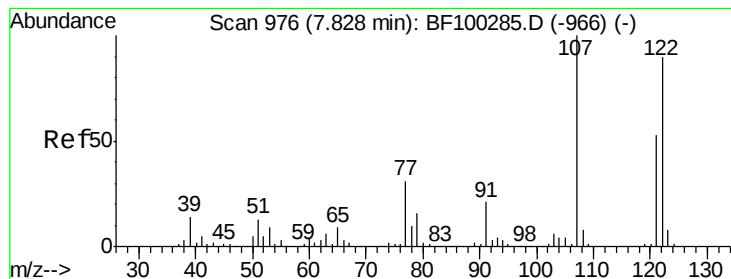


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 51.06 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

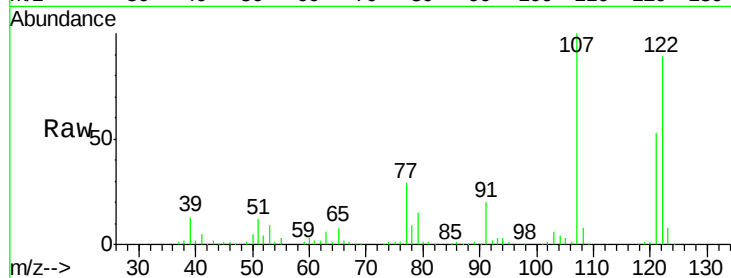
Tgt Ion:122 Resp: 276931

Ion Ratio Lower Upper

122 100

107 112.5 91.2 136.8

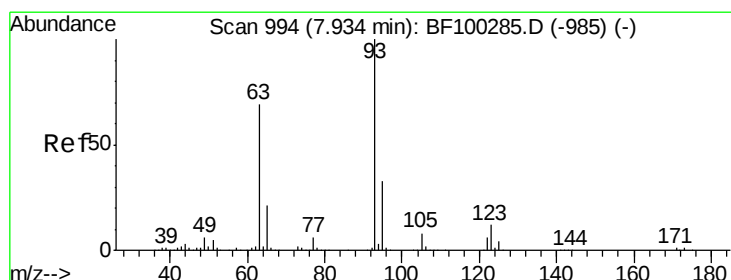
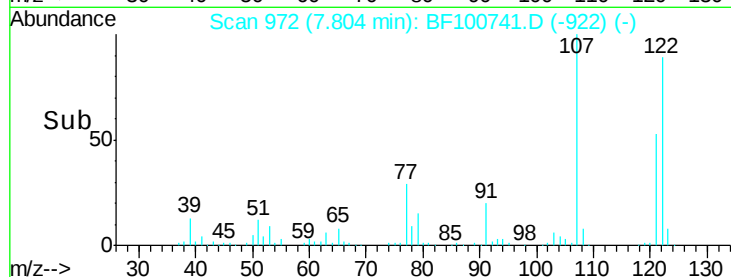
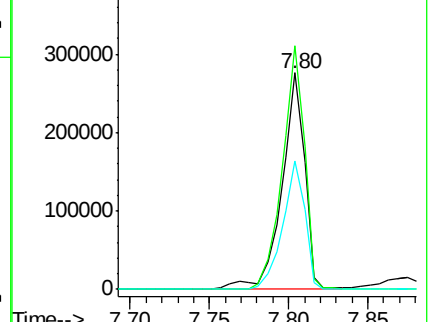
121 59.2 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.64 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

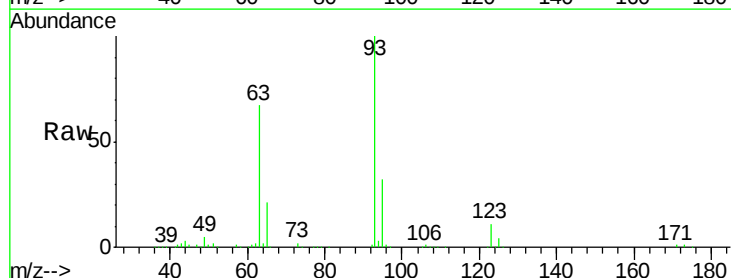
Tgt Ion: 93 Resp: 353288

Ion Ratio Lower Upper

93 100

95 32.2 26.3 39.5

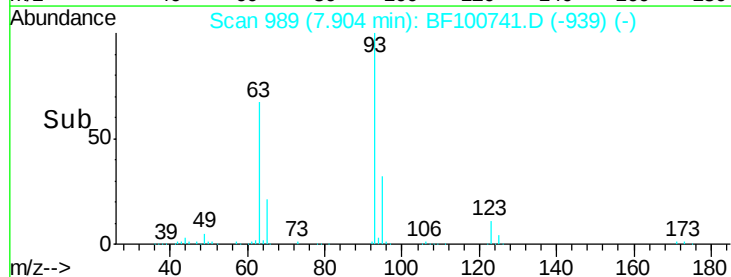
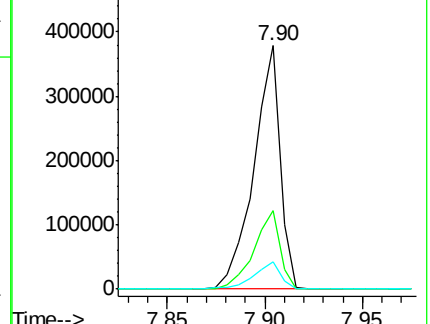
123 11.0 9.8 14.6

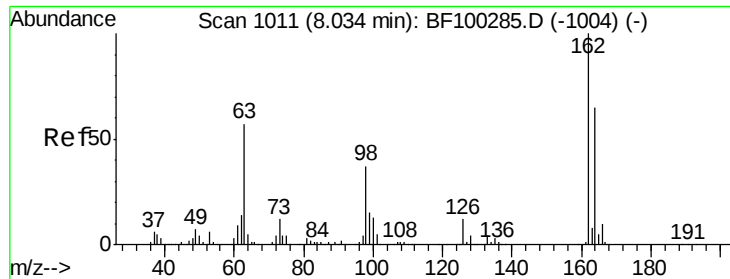


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

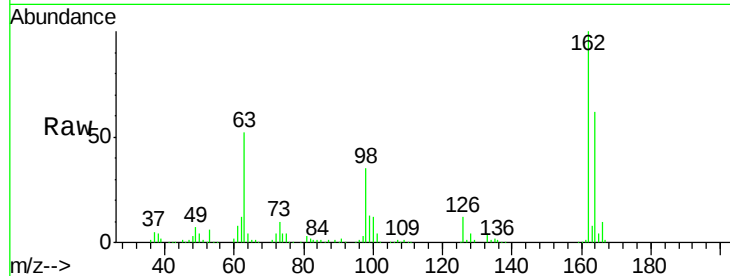




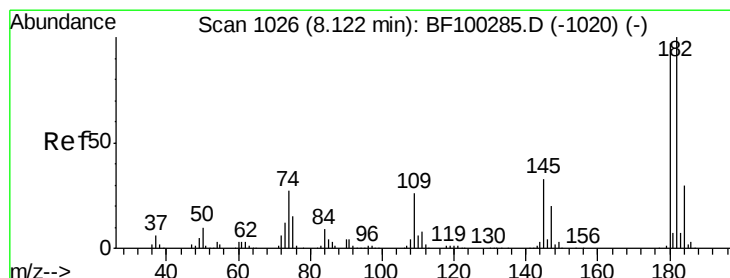
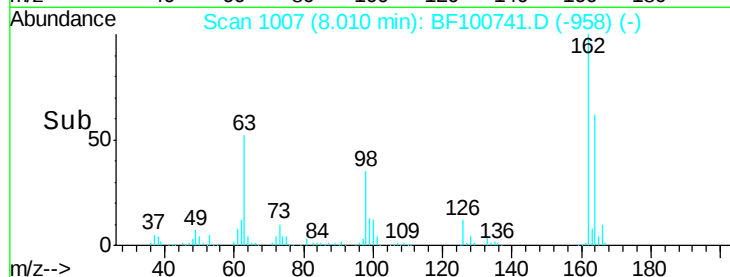
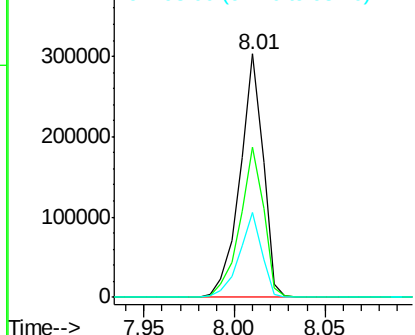
#29
 2,4-Dichlorophenol
 Concen: 52.03 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion:	162	Resp:	269404
Ion	Ratio	Lower	Upper
162	100		
164	61.9	42.7	82.7
98	34.8	18.1	58.1

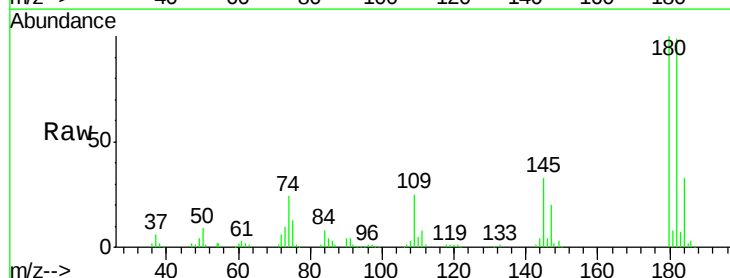


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

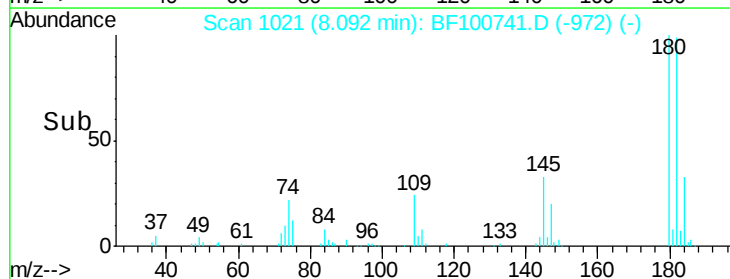
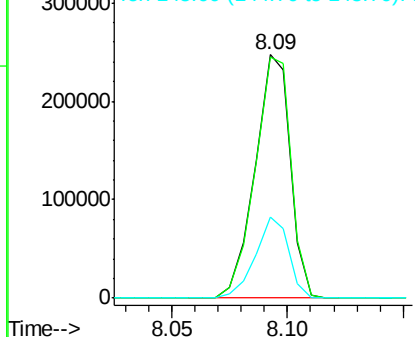


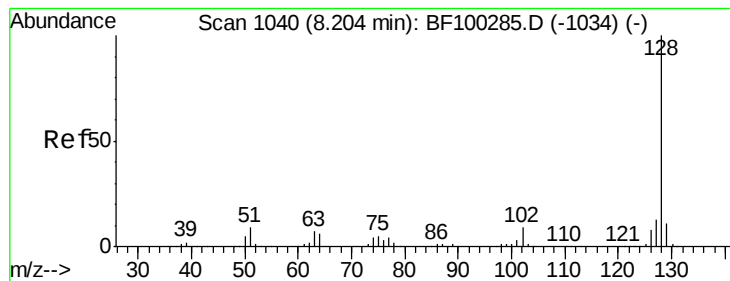
#30
 1,2,4-Trichlorobenzene
 Concen: 47.03 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:	180	Resp:	263429
Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.8	115.2
145	33.4	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.57 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

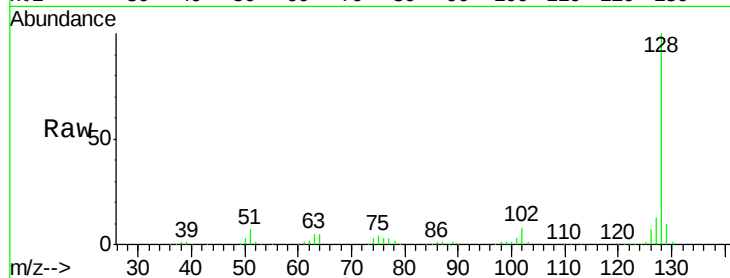
Tgt Ion:128 Resp: 835543

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

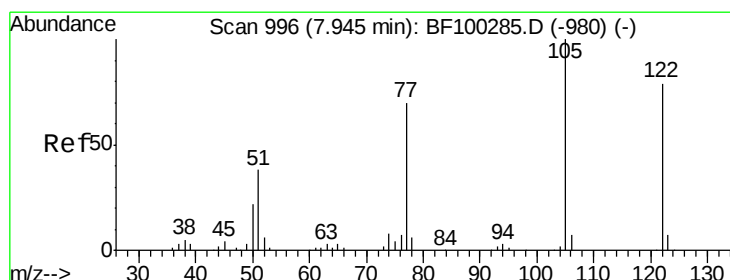
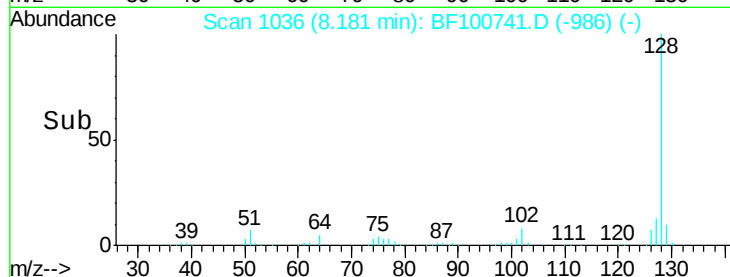
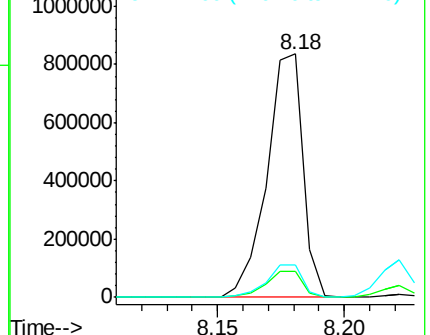
127 13.2 10.9 16.3



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



#32

Benzoic acid

Concen: 14.26 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.06 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

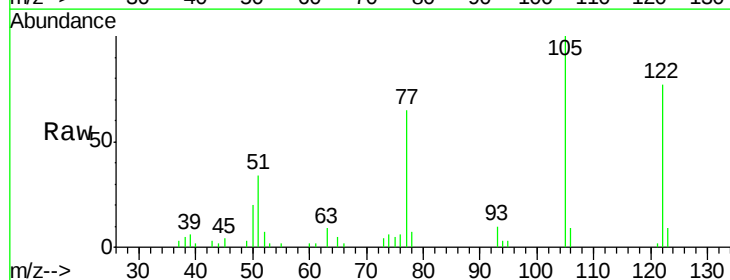
Tgt Ion:122 Resp: 25240

Ion Ratio Lower Upper

122 100

105 130.2 101.1 141.1

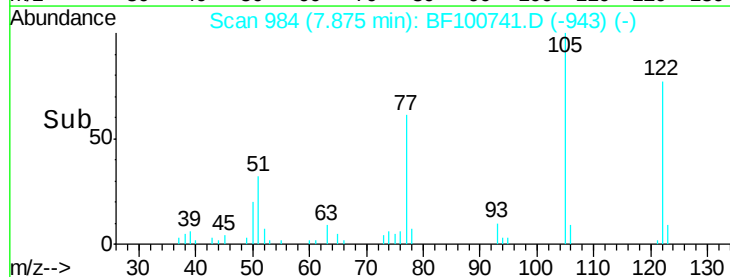
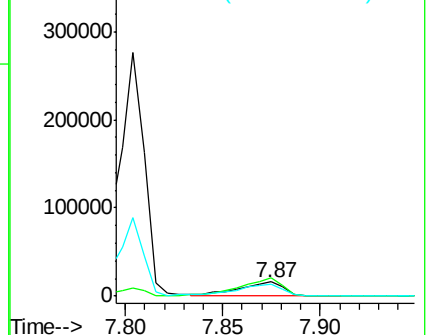
77 85.0 70.7 110.7

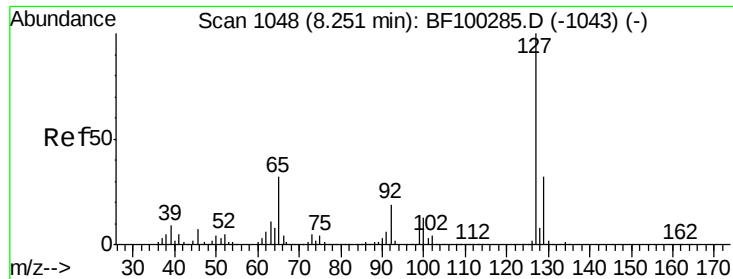


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

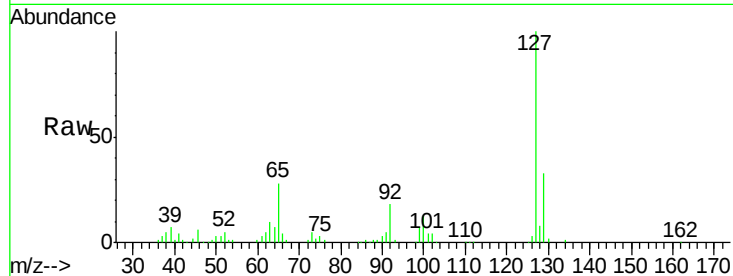




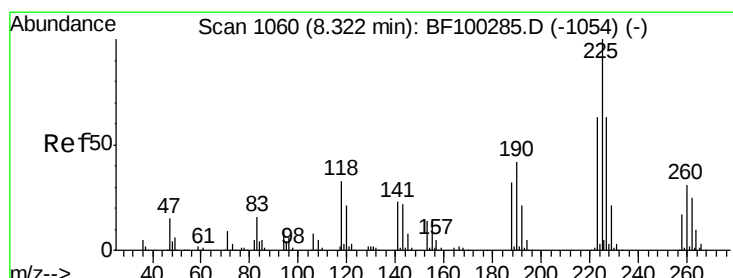
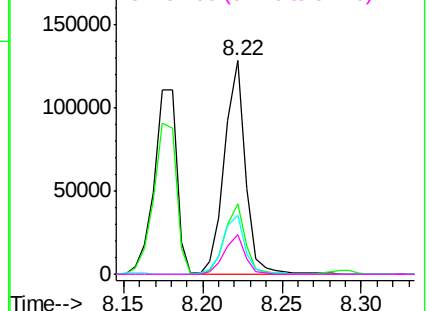
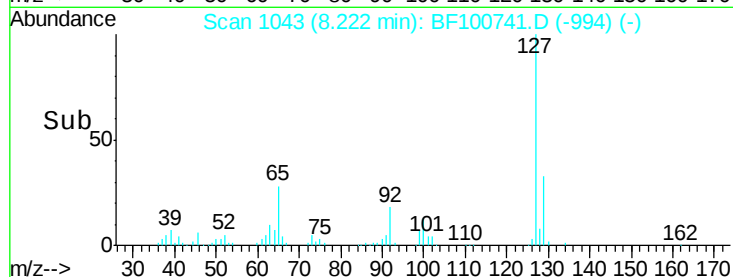
#33
4-Chloroaniline
Concen: 15.54 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:	127	Resp:	118599
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.9	38.9
65	27.8	25.0	37.4
92	18.3	15.2	22.8

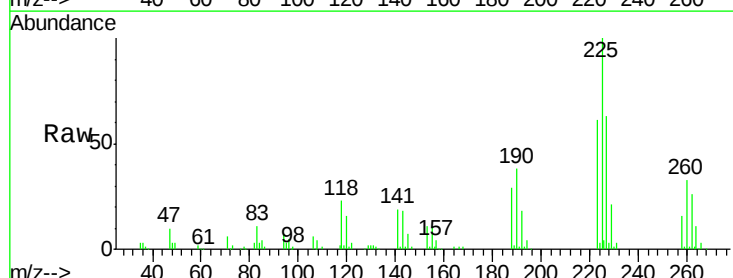


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

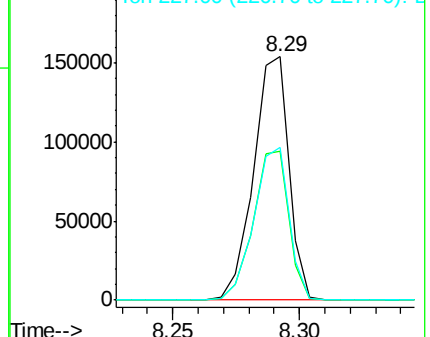
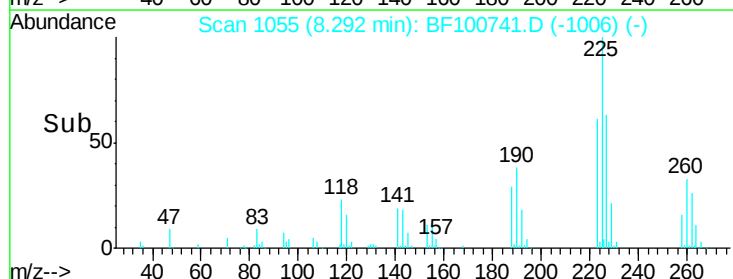


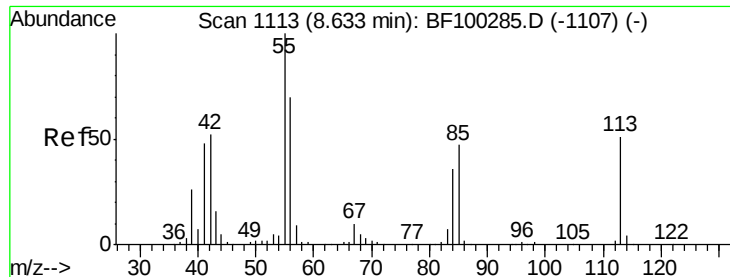
#34
Hexachlorobutadiene
Concen: 45.02 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:	225	Resp:	149935
Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.6	76.0
227	62.6	51.9	77.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 22.40 ng

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

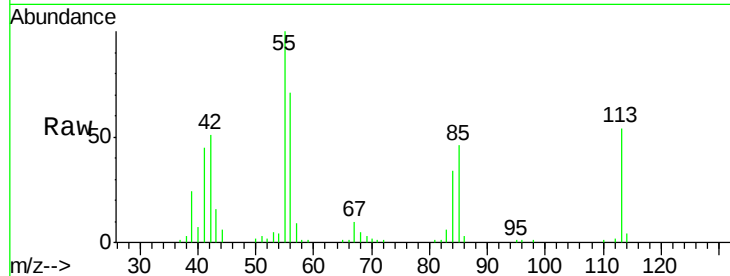
Tgt Ion:113 Resp: 39809

Ion Ratio Lower Upper

113 100

55 186.1 163.3 203.3

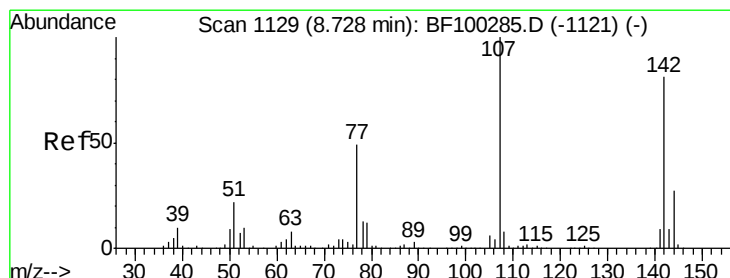
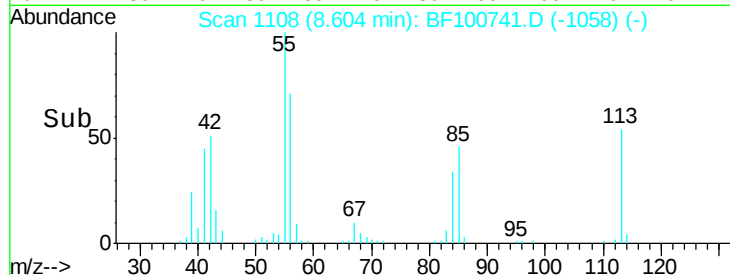
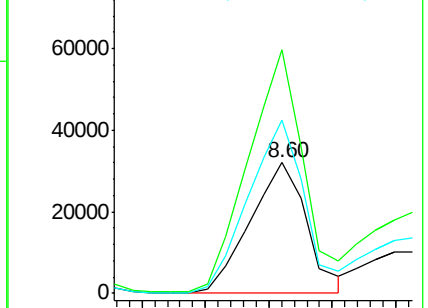
56 132.0 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 49.39 ng

RT: 8.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

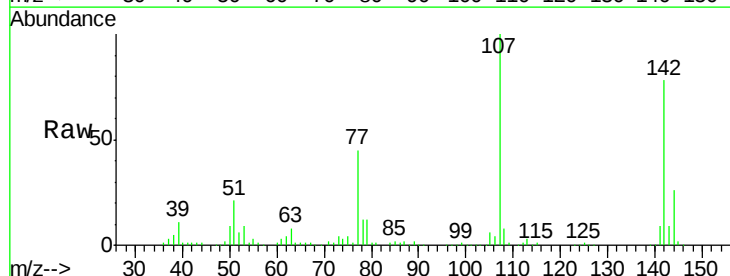
Tgt Ion:107 Resp: 274658

Ion Ratio Lower Upper

107 100

144 26.1 20.5 30.7

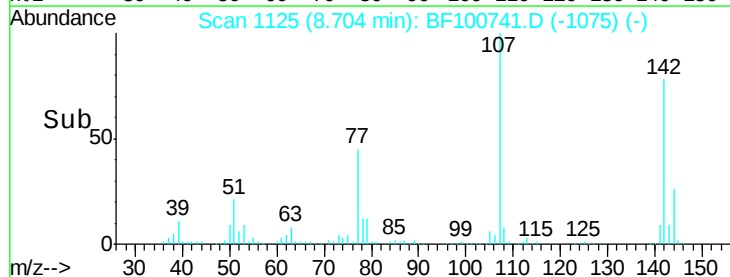
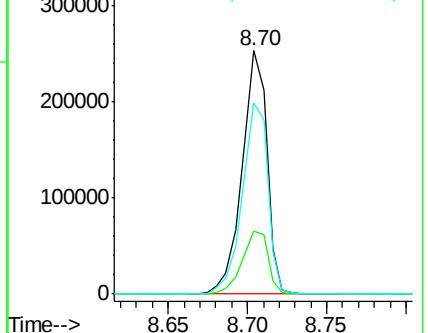
142 78.4 62.0 93.0

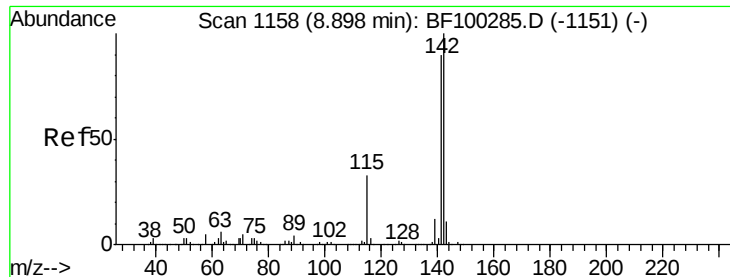


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

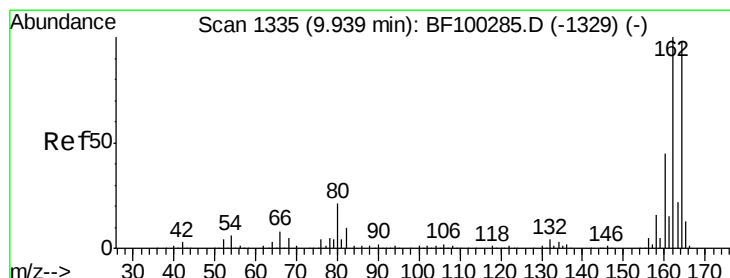
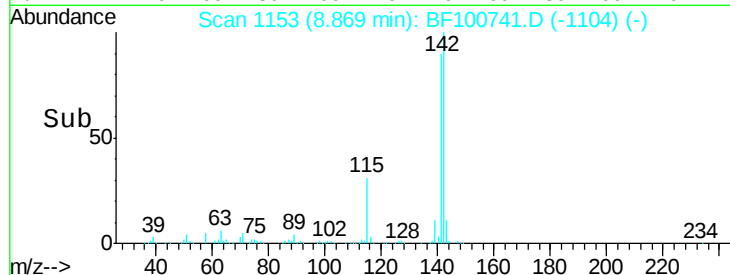
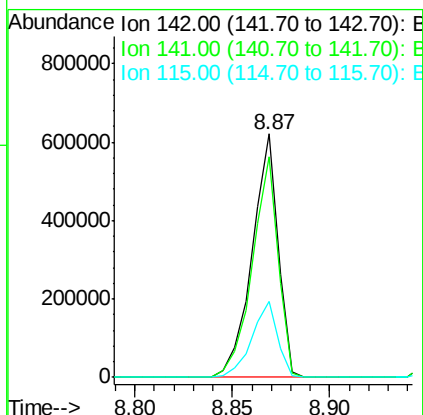
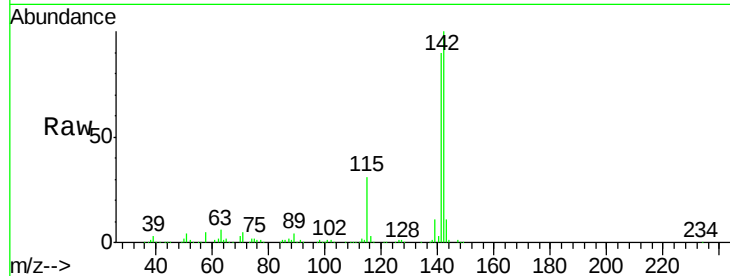




#37
 2-Methylnaphthalene
 Concen: 47.00 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

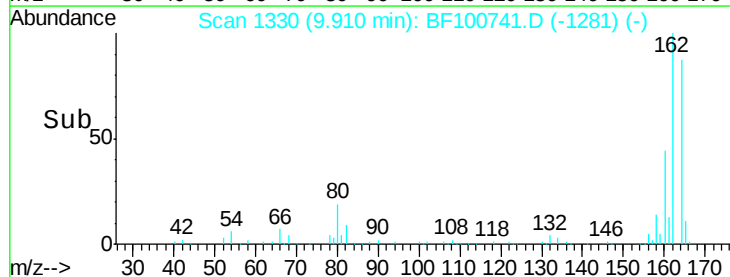
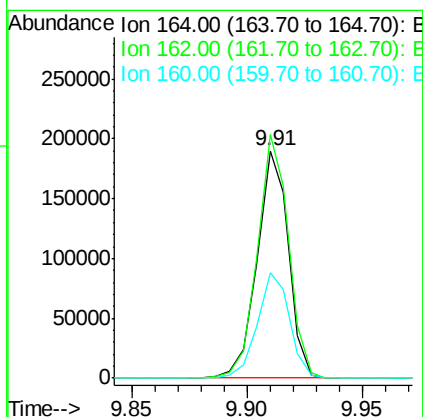
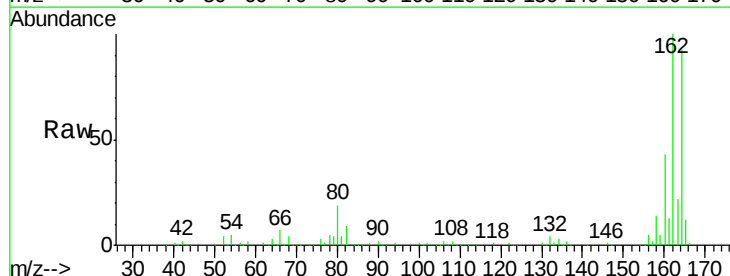
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

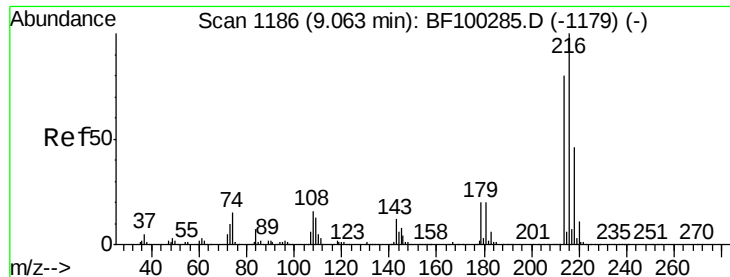
Tgt Ion:142 Resp: 572124
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.8 106.2
 115 31.3 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:164 Resp: 179814
 Ion Ratio Lower Upper
 164 100
 162 107.1 86.1 129.1
 160 46.6 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.67 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

Tgt Ion:216 Resp: 266393

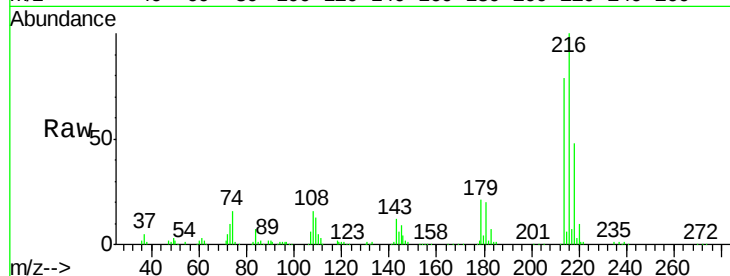
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 20.1 18.1 27.1

108 17.8 17.2 25.8

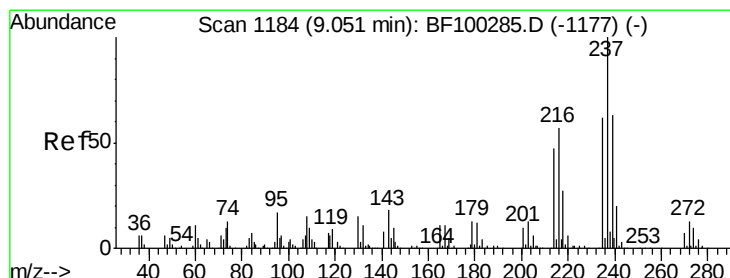
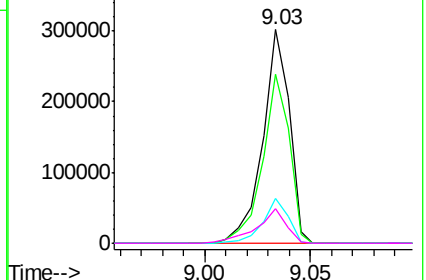
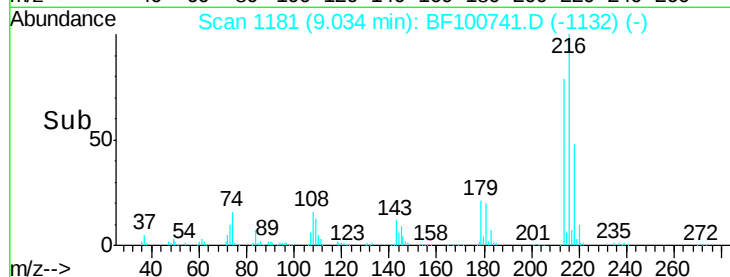


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 92.28 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

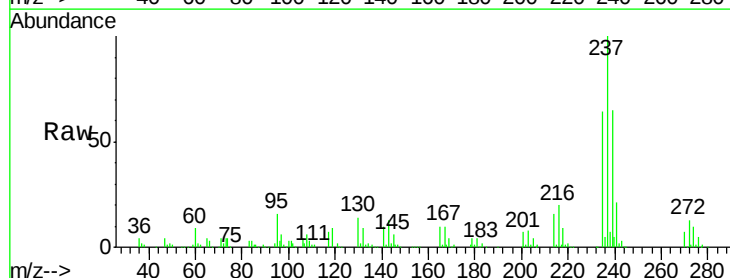
Tgt Ion:237 Resp: 259002

Ion Ratio Lower Upper

237 100

235 63.6 44.8 84.8

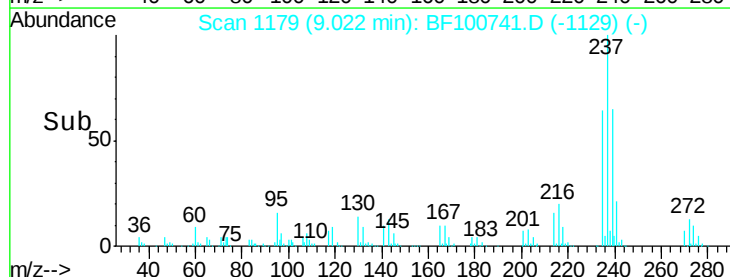
272 13.2 0.0 33.3



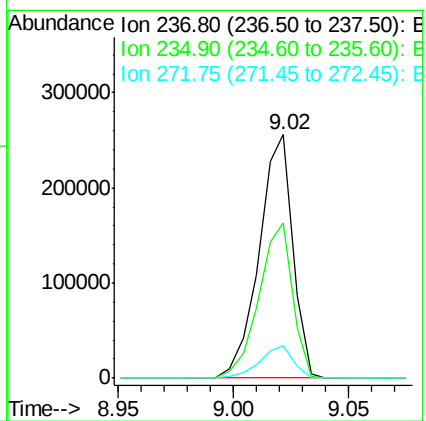
Abundance Ion 236.80 (236.50 to 237.50): E

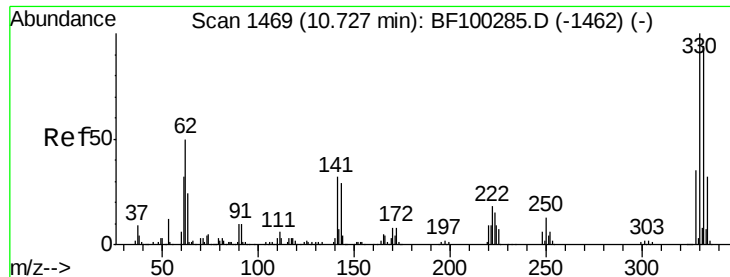
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

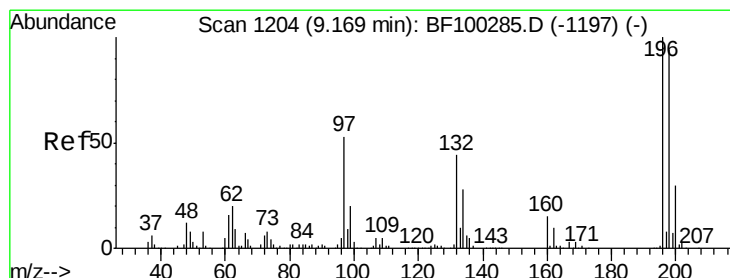
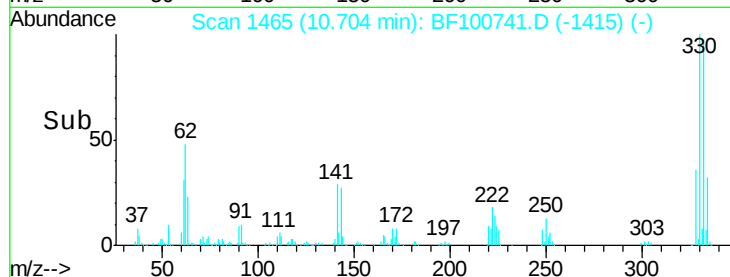
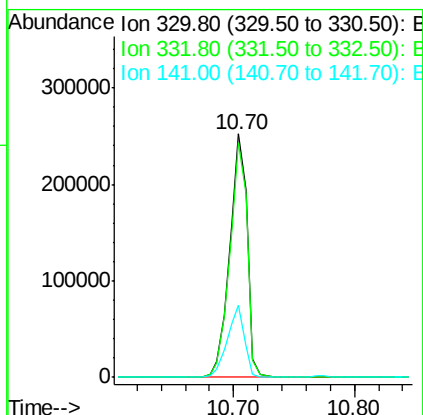
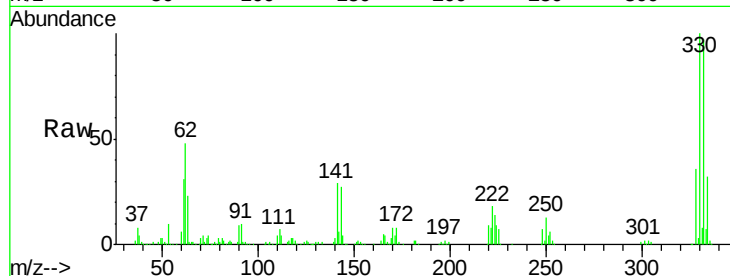




#41
 2,4,6-Tribromophenol
 Concen: 138.68 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

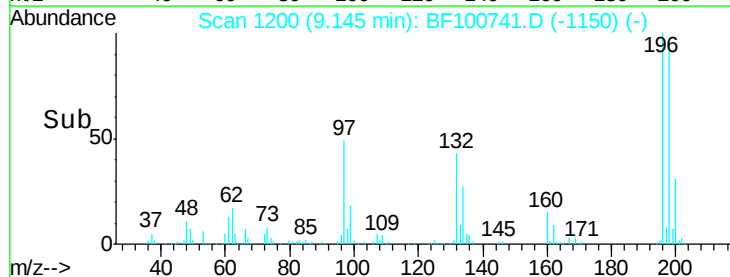
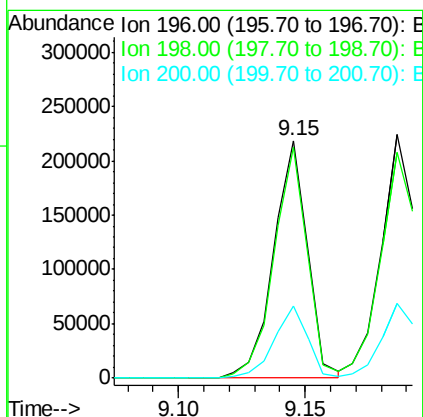
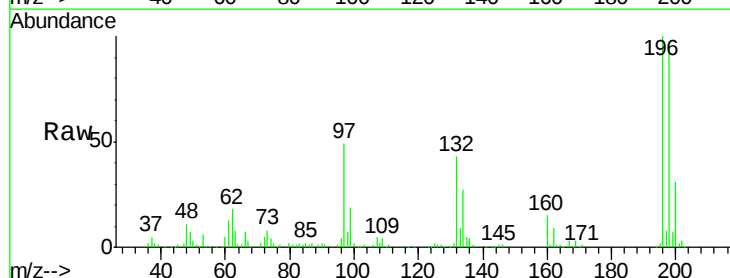
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

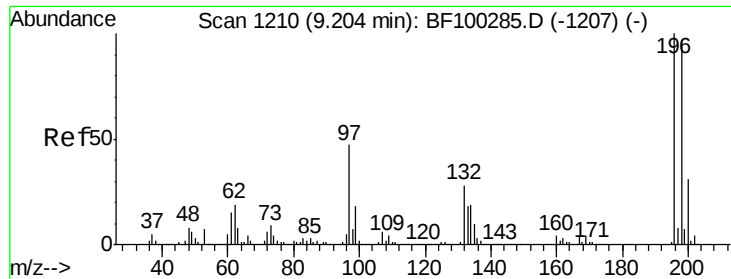
Tgt Ion:330 Resp: 254110
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 28.4 29.9 44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 53.24 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:196 Resp: 201240
 Ion Ratio Lower Upper
 196 100
 198 96.9 75.7 113.5
 200 30.5 24.5 36.7

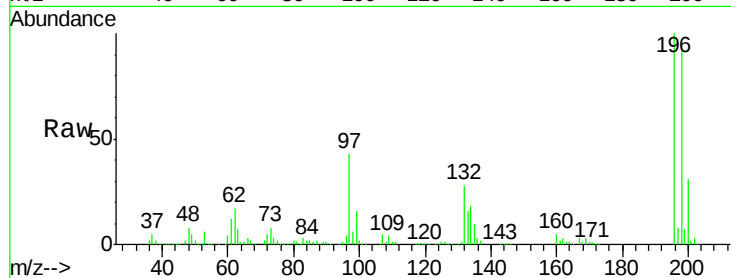




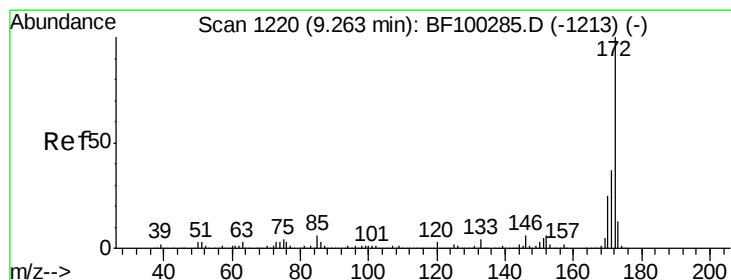
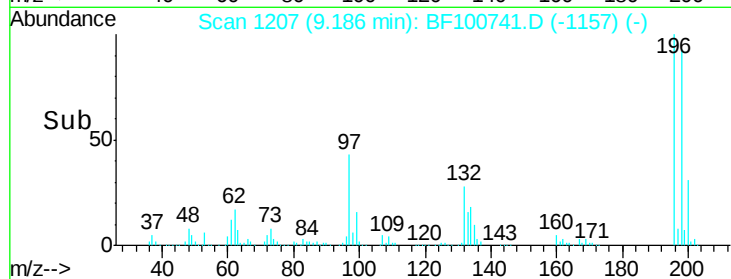
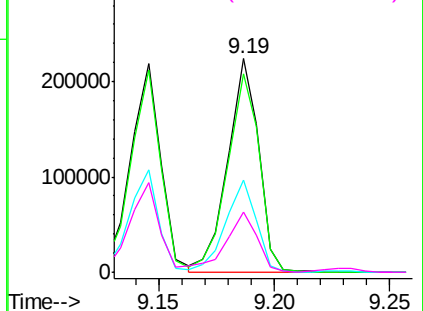
#43
 2,4,5-Trichlorophenol
 Concen: 53.37 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.9	74.6	112.0
97	43.3	42.9	64.3
132	27.9	26.3	39.5

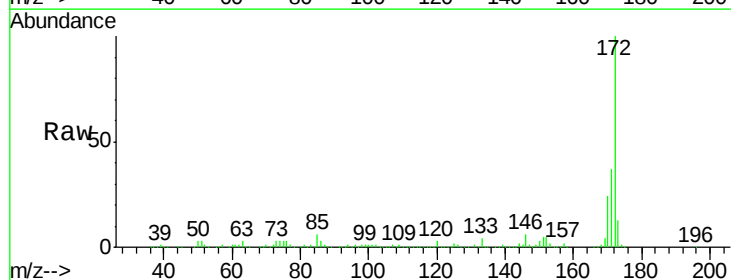


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

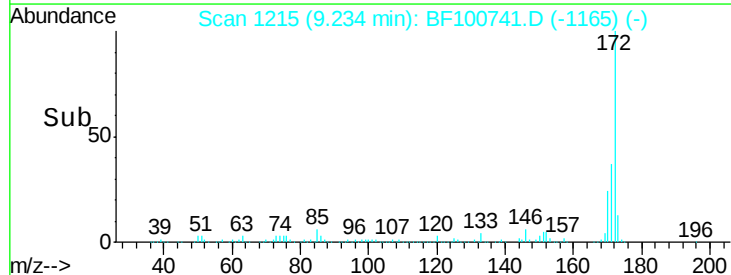
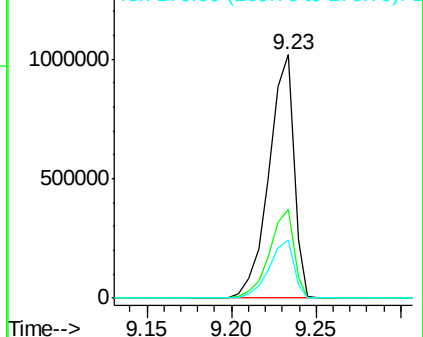


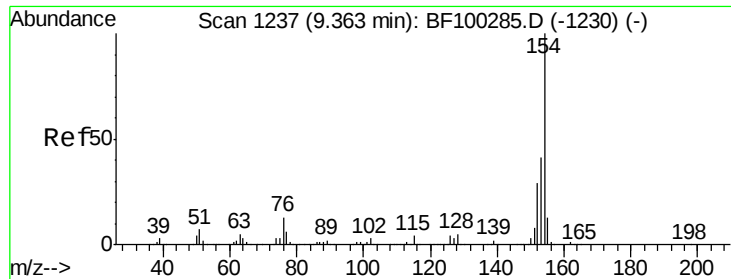
#44
 2-Fluorobiphenyl
 Concen: 88.21 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4



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

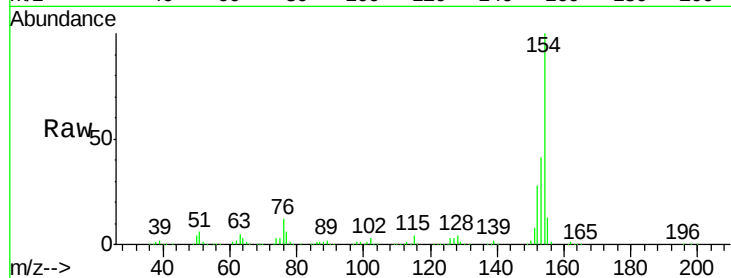




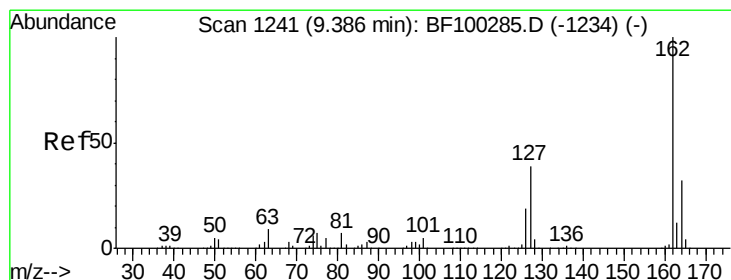
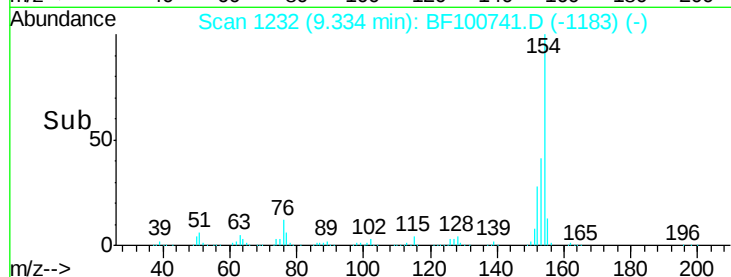
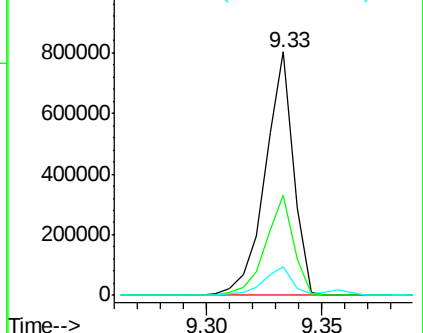
#45
 1,1'-Biphenyl
 Concen: 43.76 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion:154 Resp: 680540
 Ion Ratio Lower Upper
 154 100
 153 41.2 21.3 61.3
 76 11.8 0.0 34.0

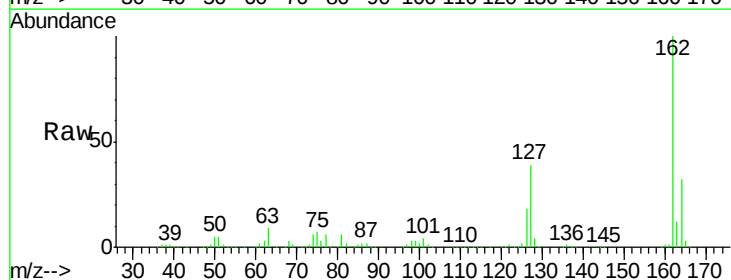


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

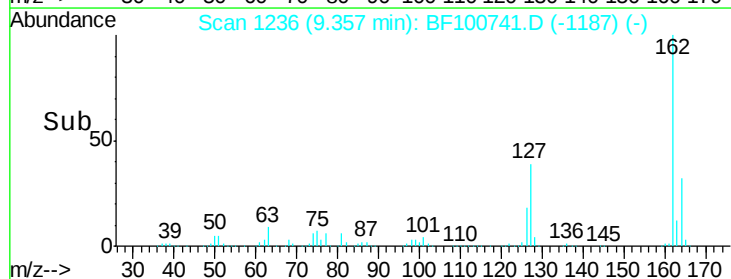
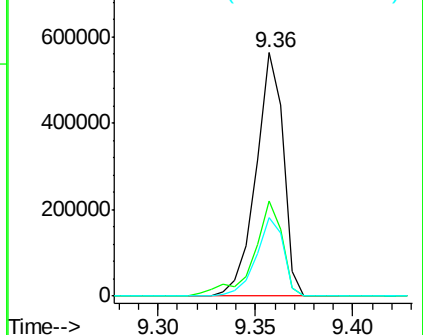


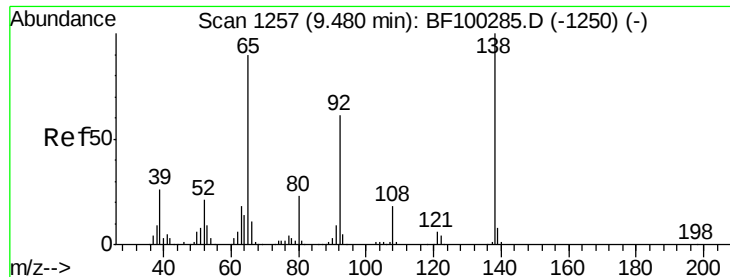
#46
 2-Chloronaphthalene
 Concen: 48.30 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:162 Resp: 544891
 Ion Ratio Lower Upper
 162 100
 127 39.3 33.9 50.9
 164 32.4 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

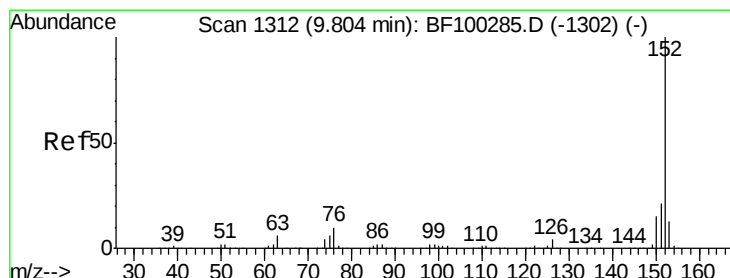
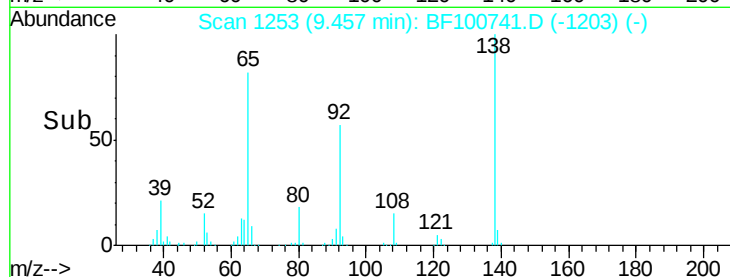
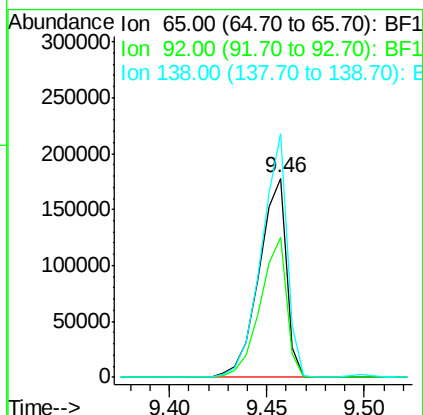
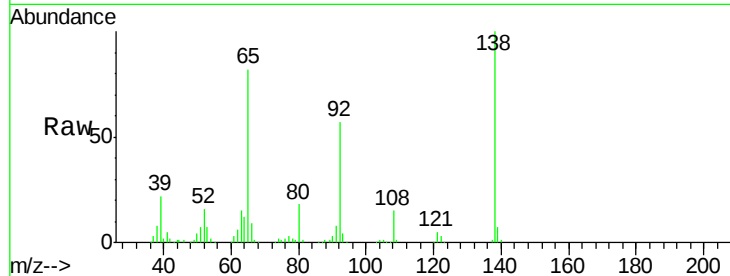




#47
2-Nitroaniline
Concen: 51.51 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

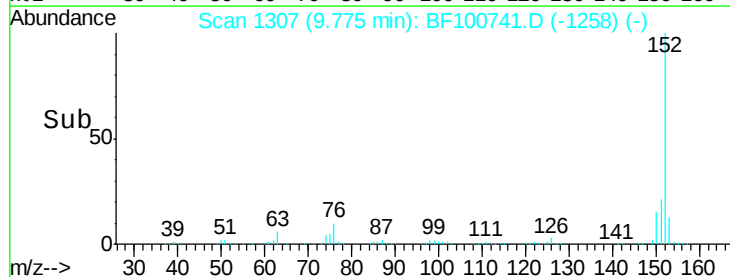
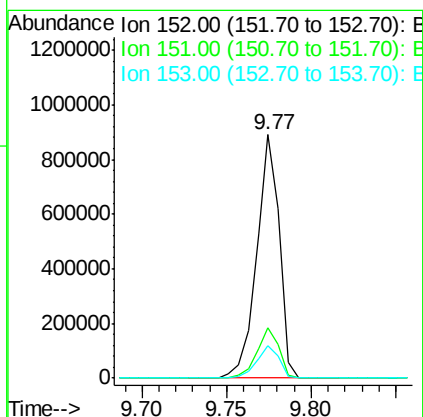
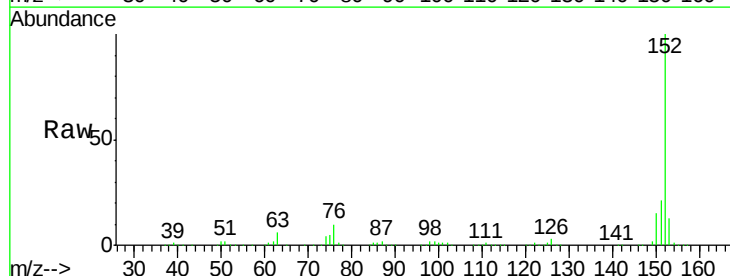
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

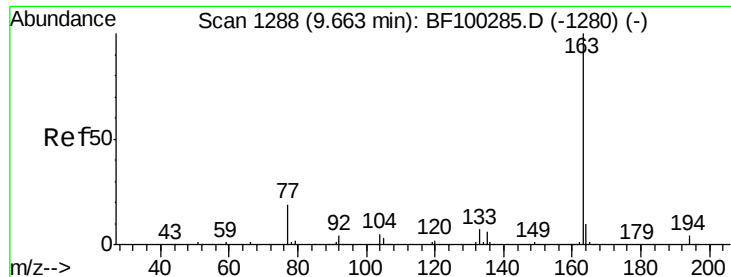
Tgt Ion: 65 Resp: 172453
Ion Ratio Lower Upper
65 100
92 69.9 55.8 83.6
138 122.2 91.2 136.8



#48
Acenaphthylene
Concen: 44.23 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion: 152 Resp: 827034
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 13.4 10.7 16.1

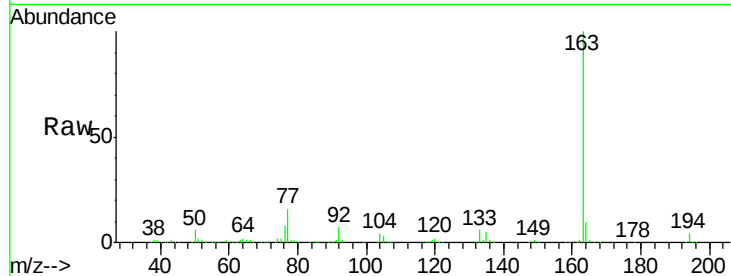




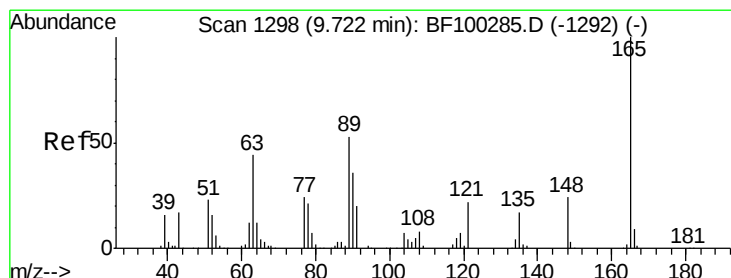
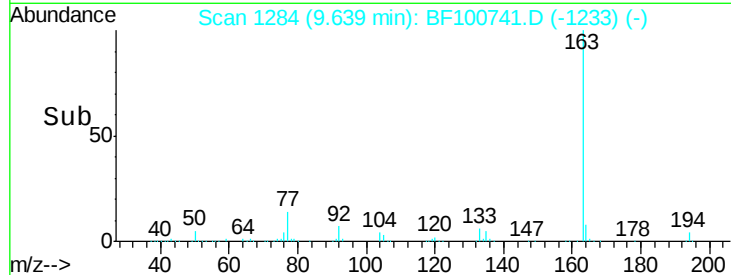
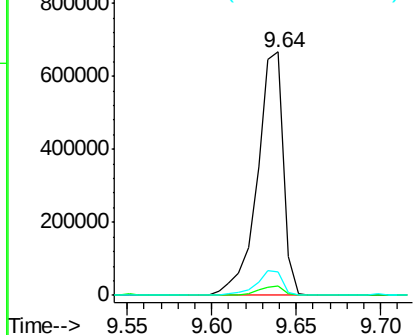
#49
Dimethylphthalate
Concen: 51.83 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:163 Resp: 711590
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.6 8.2 12.2

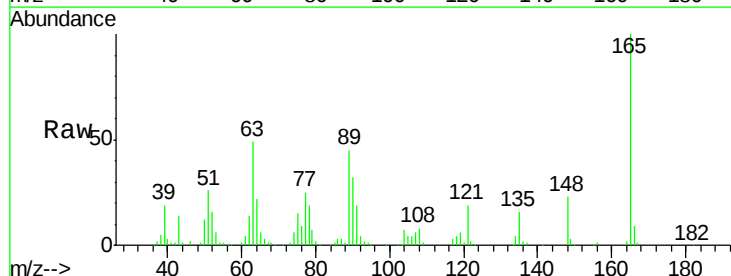


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

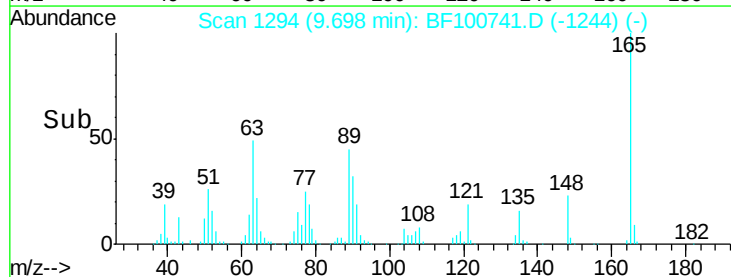
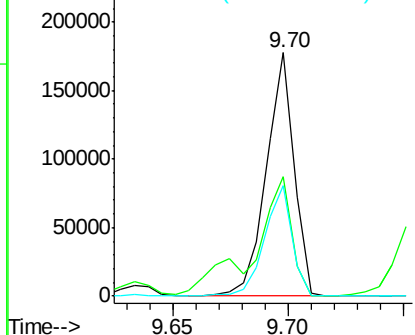


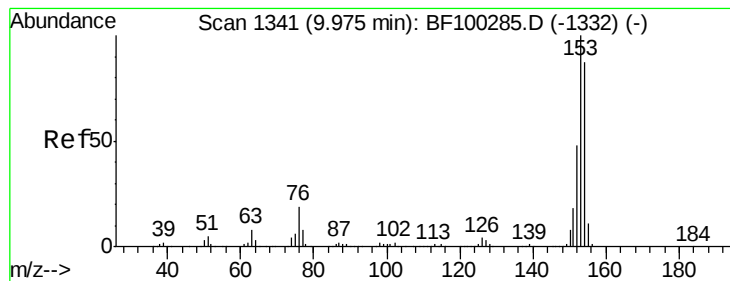
#50
2,6-Dinitrotoluene
Concen: 54.72 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:165 Resp: 148708
Ion Ratio Lower Upper
165 100
63 48.9 44.7 67.1
89 45.2 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: 43.65 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

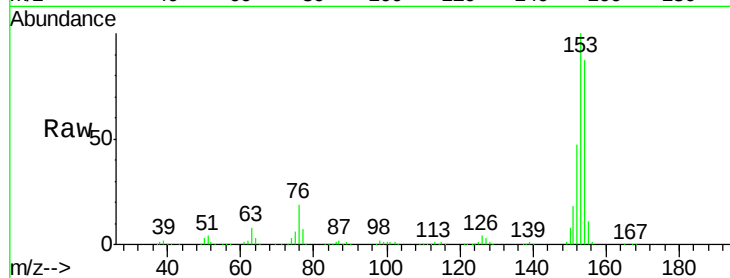
Tgt Ion:154 Resp: 496310

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

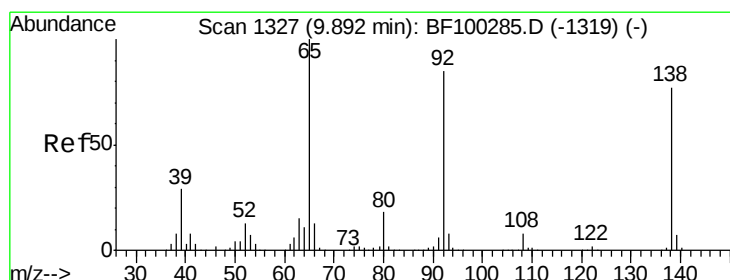
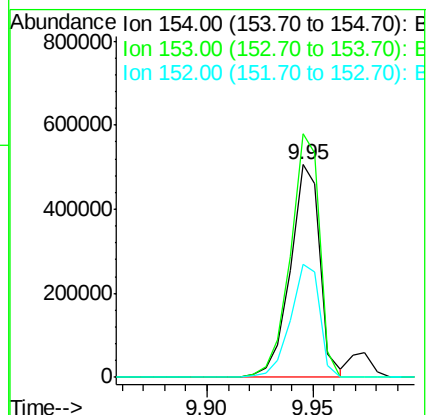
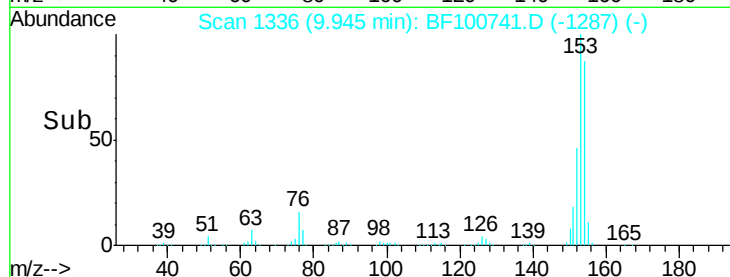
152 53.4 43.8 65.8



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



#52

3-Nitroaniline

Concen: 33.13 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

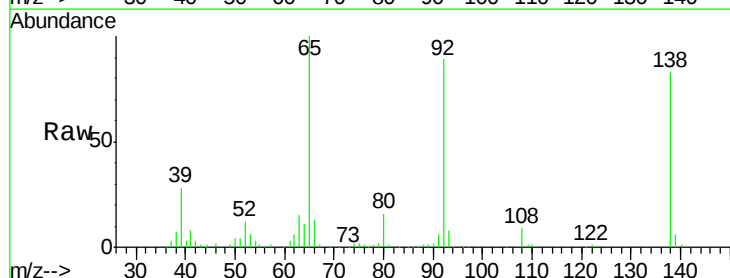
Tgt Ion:138 Resp: 106315

Ion Ratio Lower Upper

138 100

108 10.3 9.4 14.0

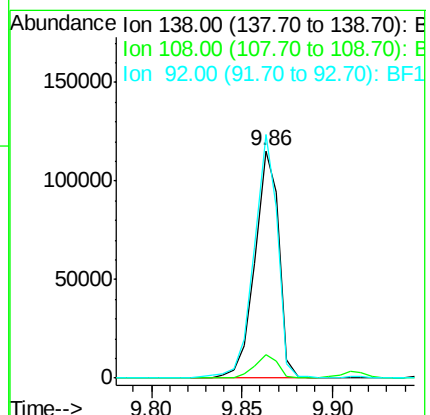
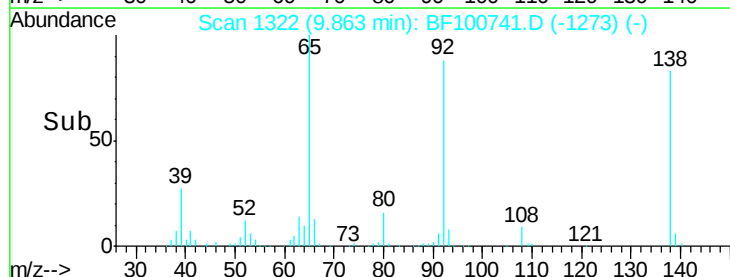
92 107.1 89.4 134.2

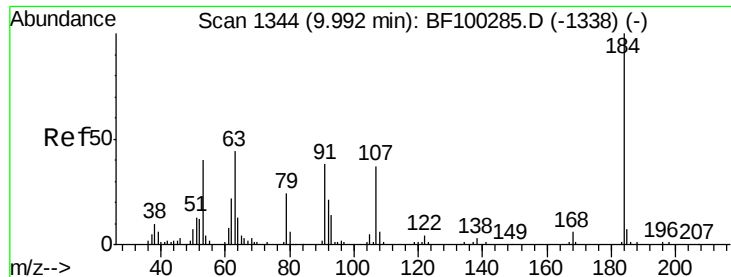


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

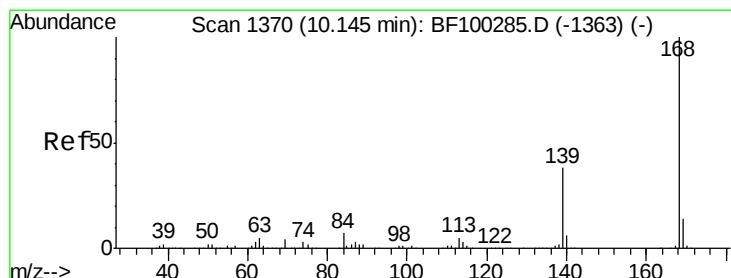
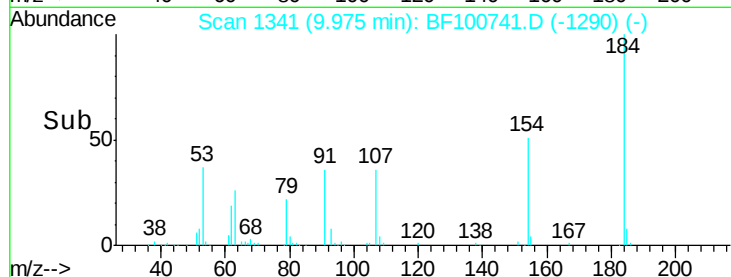
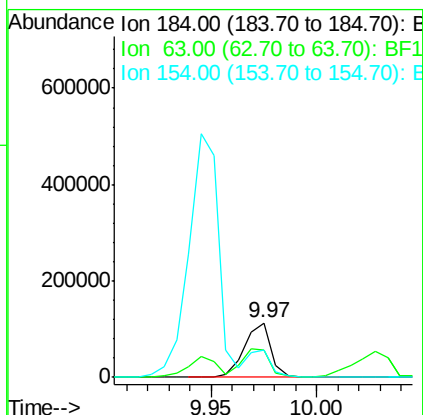
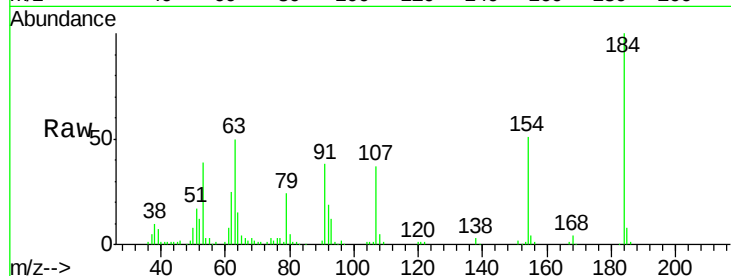




#53
 2,4-Dinitrophenol
 Concen: 82.48 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

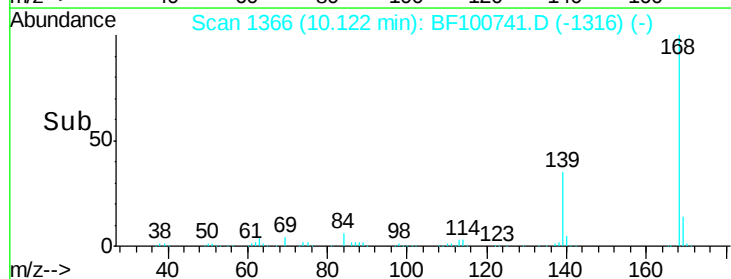
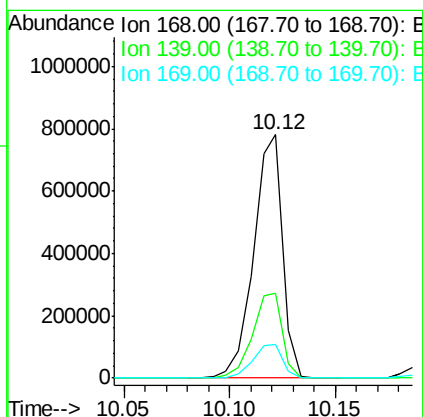
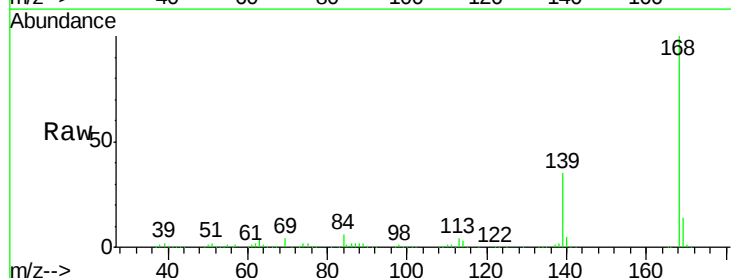
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

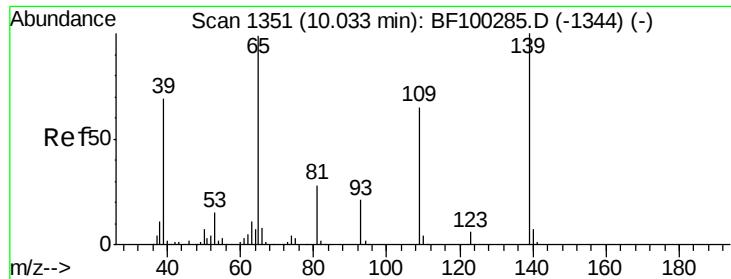
Tgt Ion:184 Resp: 99738
 Ion Ratio Lower Upper
 184 100
 63 50.5 54.2 81.2#
 154 51.0 184.0 276.0#



#54
 Dibenzofuran
 Concen: 46.41 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:168 Resp: 739682
 Ion Ratio Lower Upper
 168 100
 139 34.9 30.1 45.1
 169 13.8 10.9 16.3

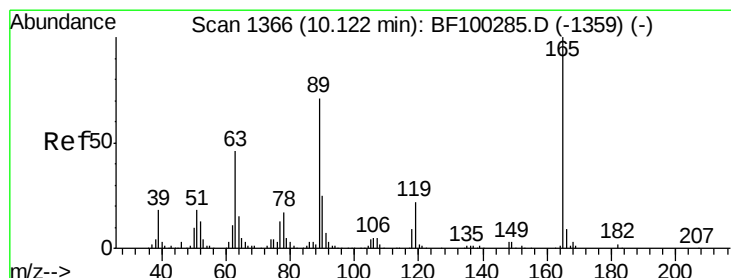
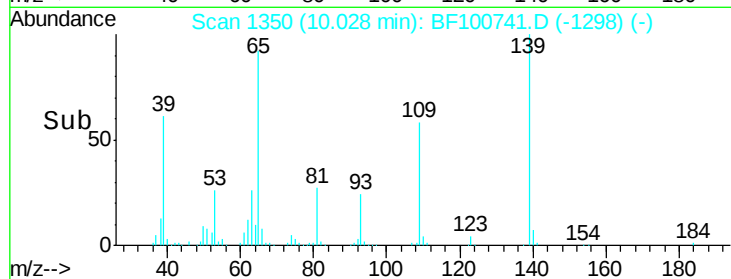
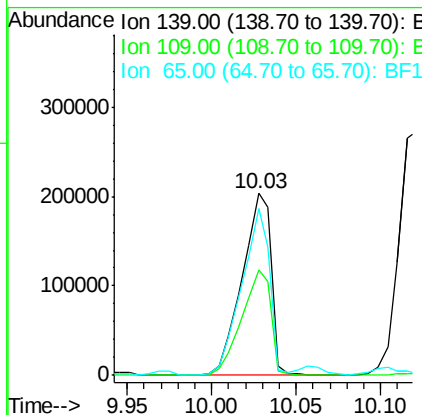
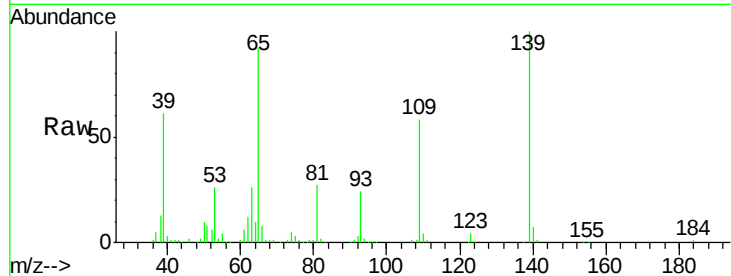




#55
4-Nitrophenol
Concen: 94.78 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

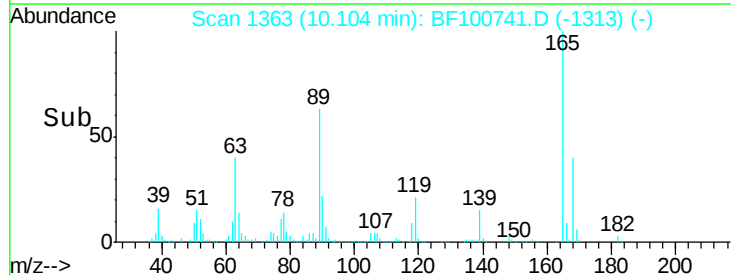
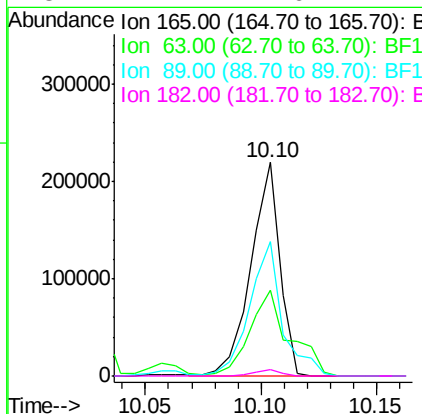
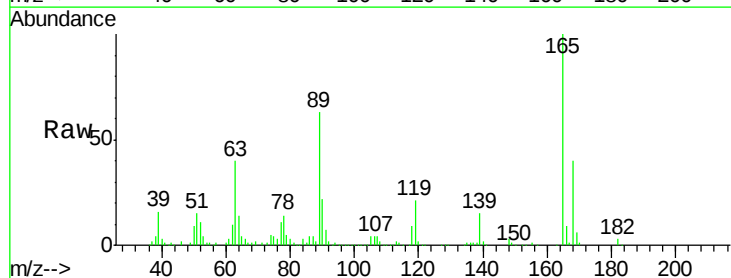
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

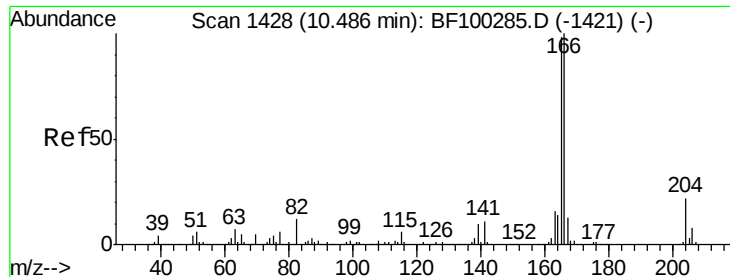
Tgt Ion:139 Resp: 246977
Ion Ratio Lower Upper
139 100
109 57.7 48.4 88.4
65 91.9 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 56.54 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:165 Resp: 193853
Ion Ratio Lower Upper
165 100
63 40.4 36.4 54.6
89 63.2 57.8 86.6
182 2.7 1.6 2.4#

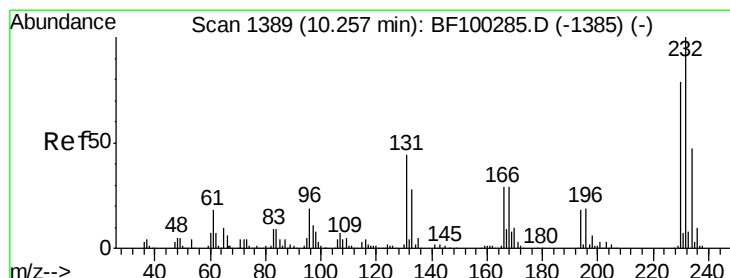
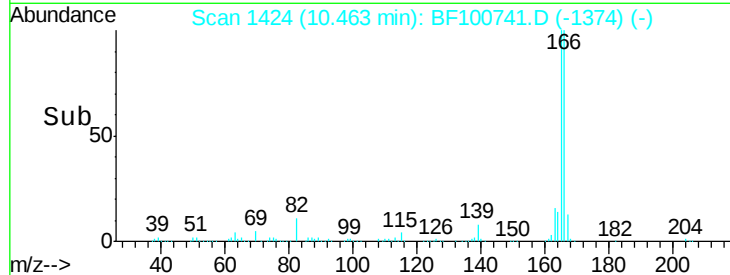
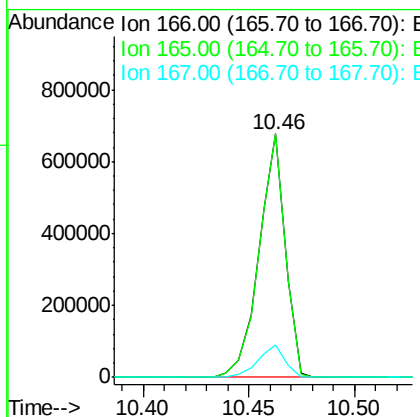
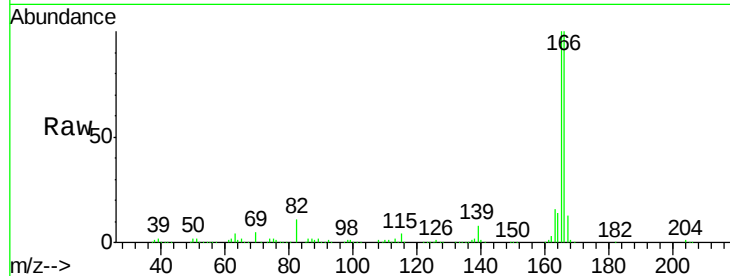




#57
 Fluorene
 Concen: 50.03 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

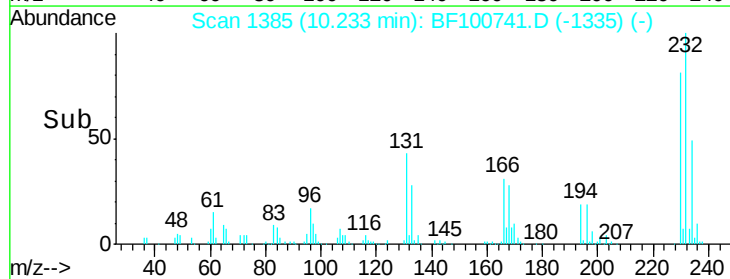
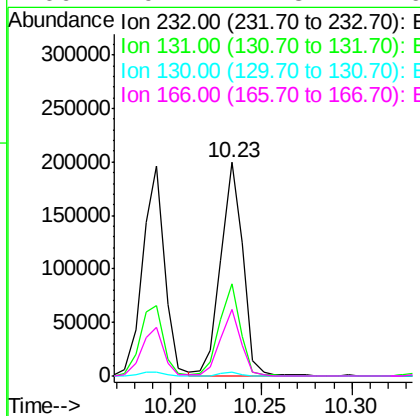
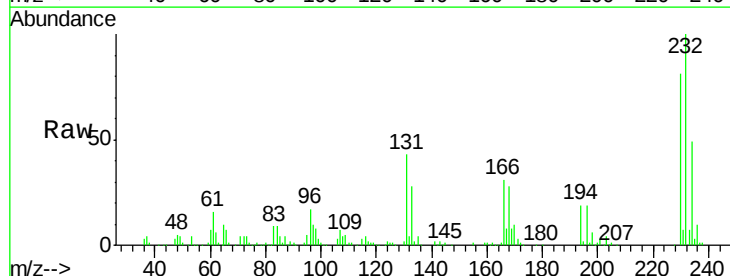
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

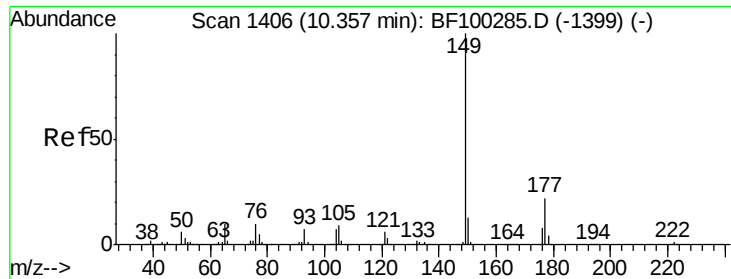
Tgt Ion:166 Resp: 584136
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.8 119.8
 167 13.3 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 52.91 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:232 Resp: 169800
 Ion Ratio Lower Upper
 232 100
 131 41.4 43.8 65.8#
 130 1.9 2.1 3.1#
 166 29.4 27.8 41.6

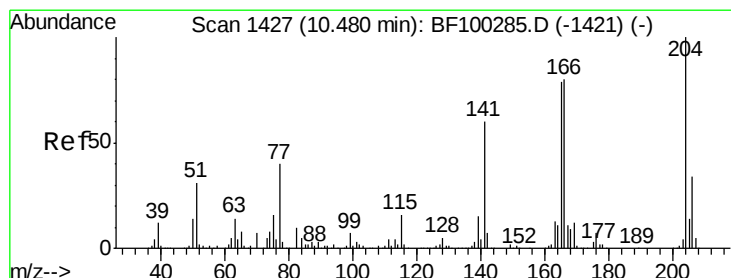
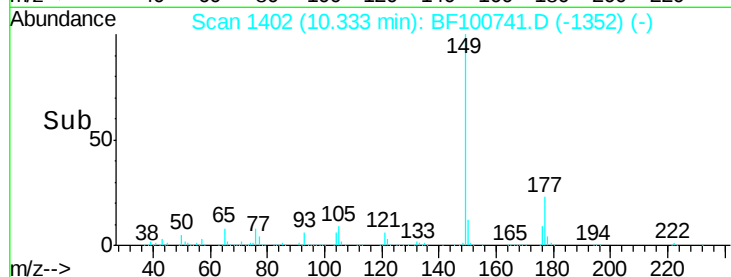
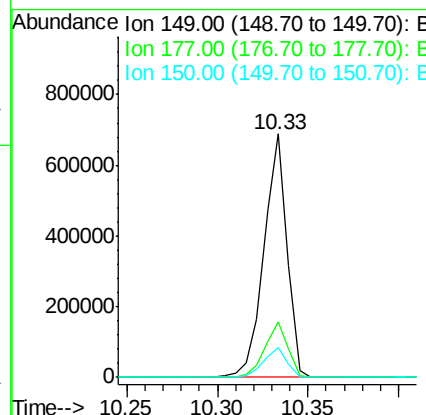
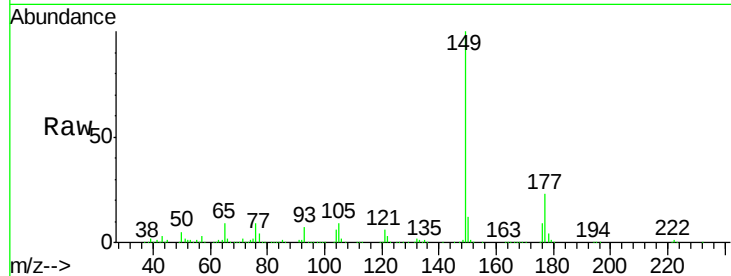




#59
Diethylphthalate
Concen: 44.31 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

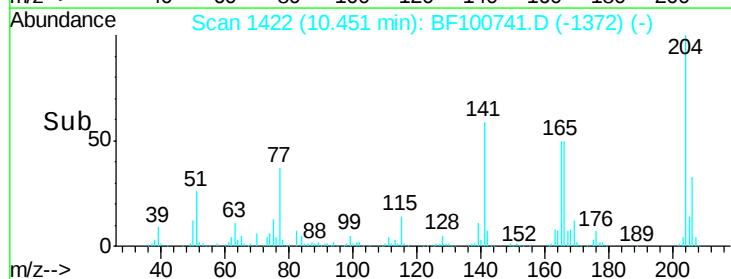
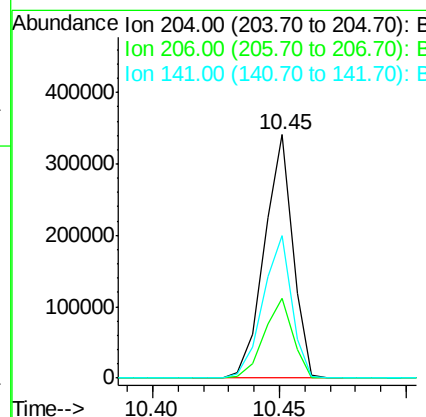
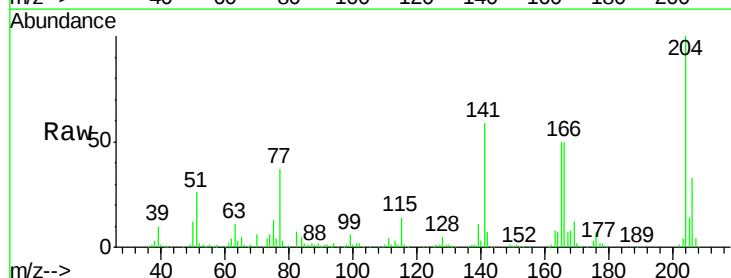
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

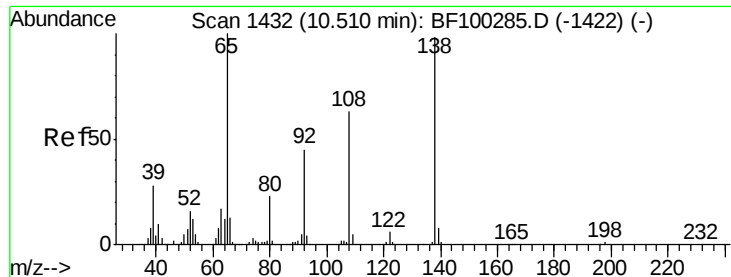
Tgt Ion:149 Resp: 608803
Ion Ratio Lower Upper
149 100
177 22.9 16.1 24.1
150 12.3 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 46.83 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:204 Resp: 268216
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 58.7 54.6 81.8

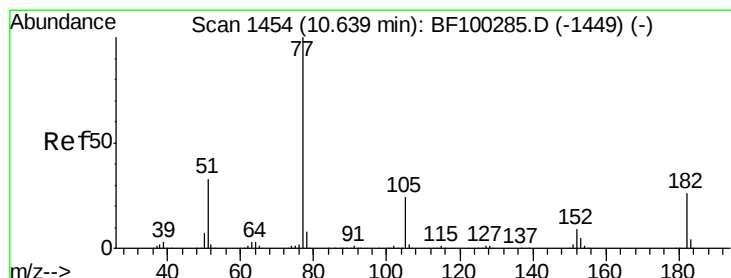
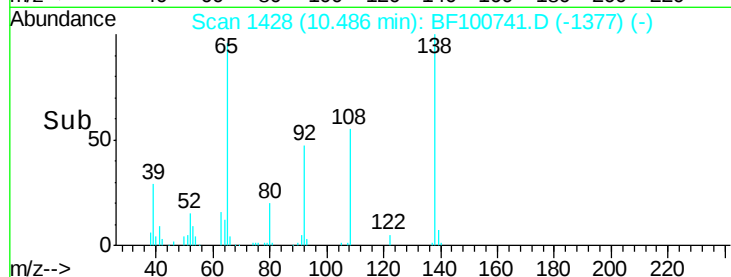
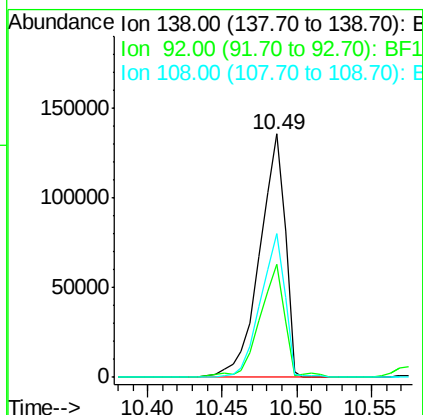
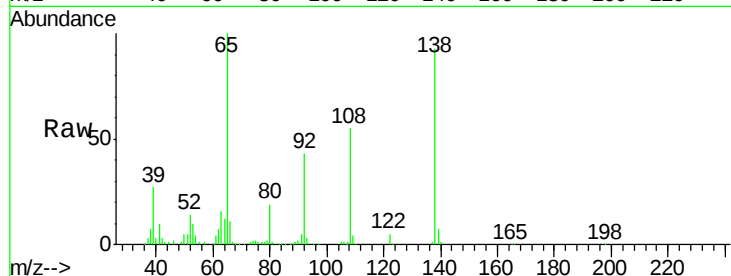




#61
4-Nitroaniline
Concen: 52.33 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

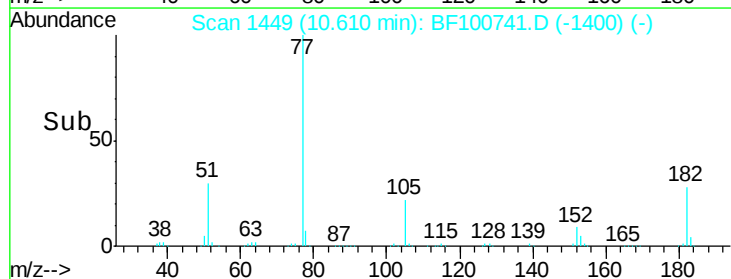
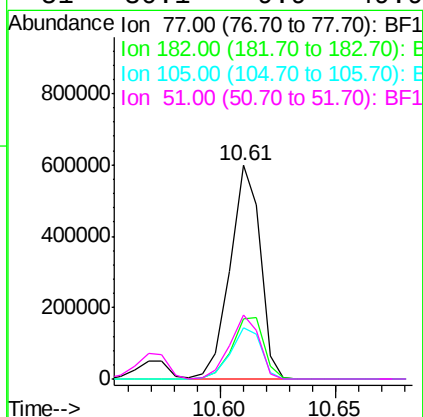
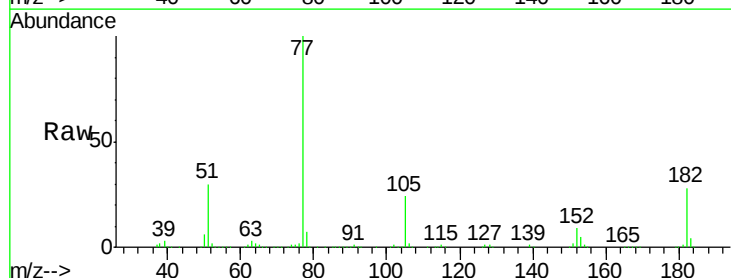
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

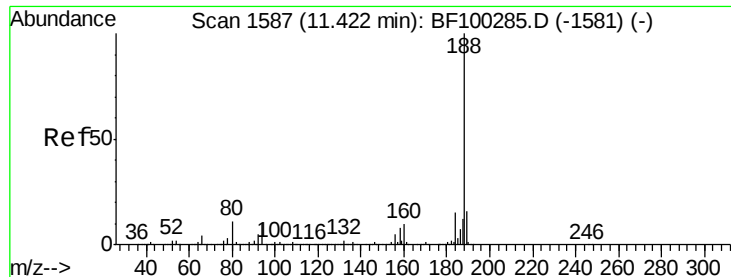
Tgt Ion:138 Resp: 159228
Ion Ratio Lower Upper
138 100
92 46.5 30.2 70.2
108 59.3 52.5 92.5



#62
Azobenzene
Concen: 42.06 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion: 77 Resp: 544288
Ion Ratio Lower Upper
77 100
182 28.0 1.7 41.7
105 23.9 3.0 43.0
51 30.1 9.9 49.9

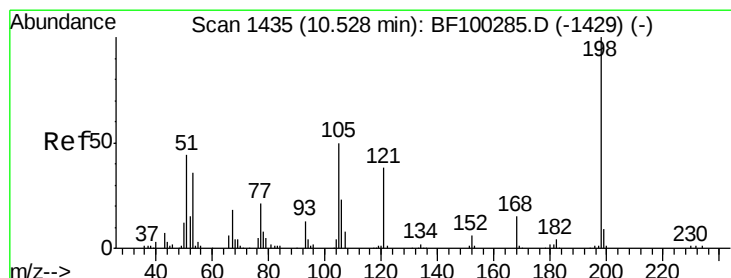
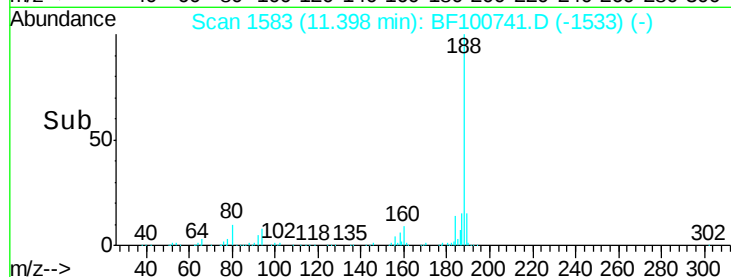
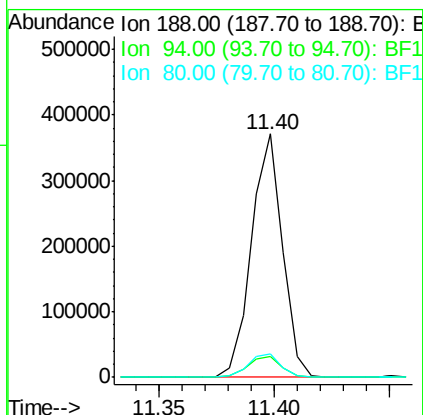
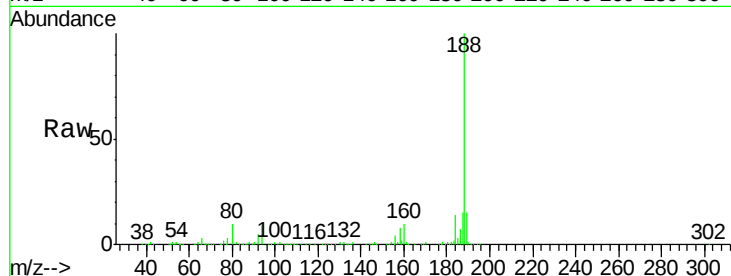




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

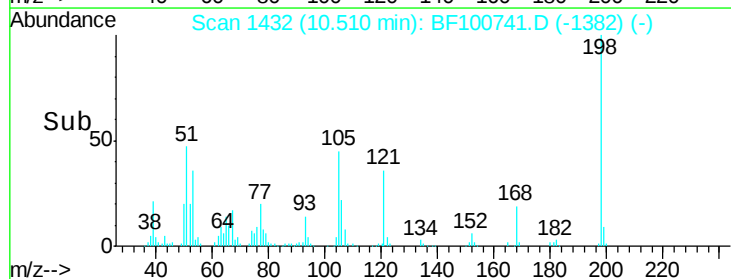
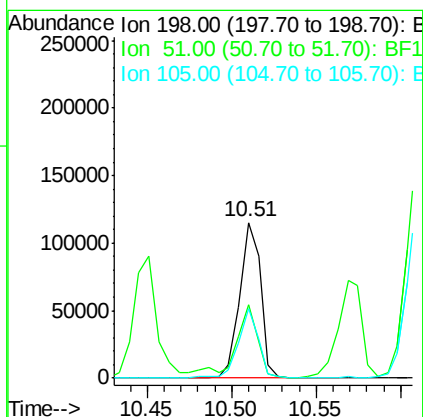
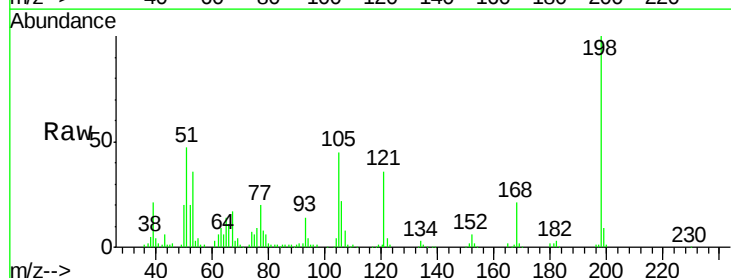
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

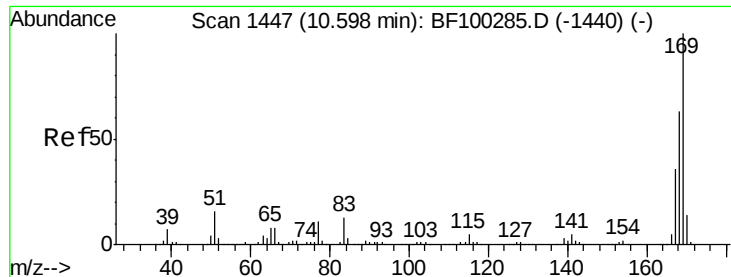
Tgt Ion:188 Resp: 348378
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 55.13 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:198 Resp: 99701
Ion Ratio Lower Upper
198 100
51 46.8 37.7 77.7
105 44.6 36.3 76.3

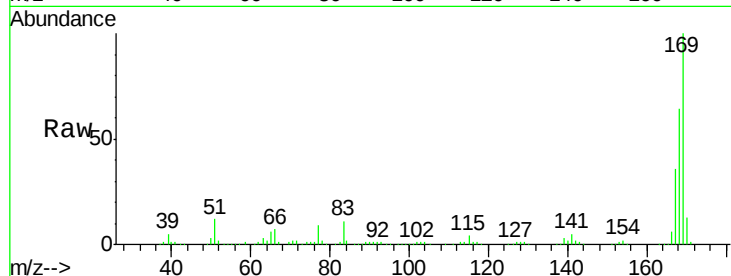




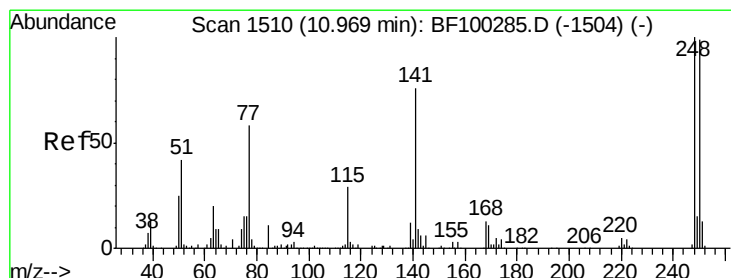
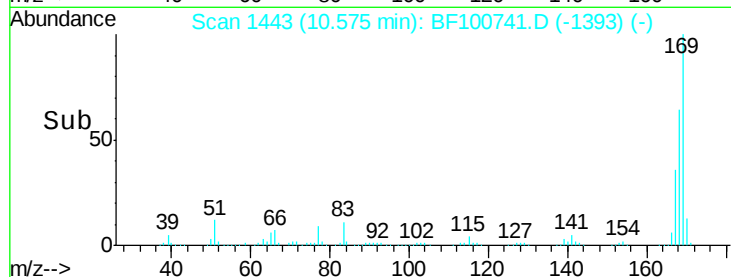
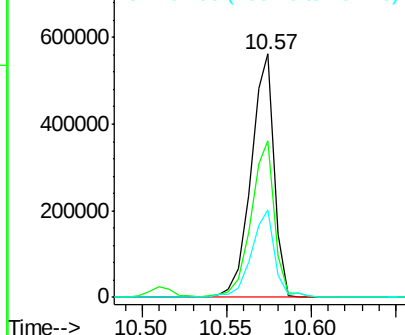
#65
n-Nitrosodiphenylamine
Concen: 44.29 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

Tgt Ion:169 Resp: 536477
Ion Ratio Lower Upper
169 100
168 64.4 54.4 81.6
167 35.8 29.8 44.6

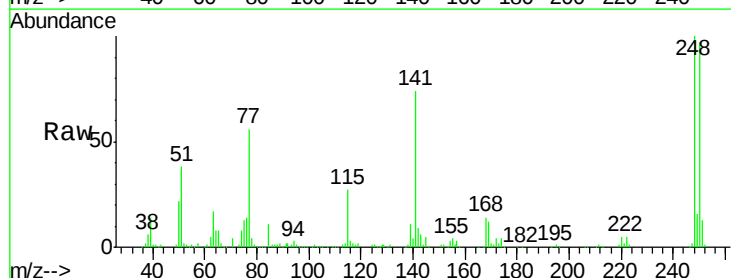


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

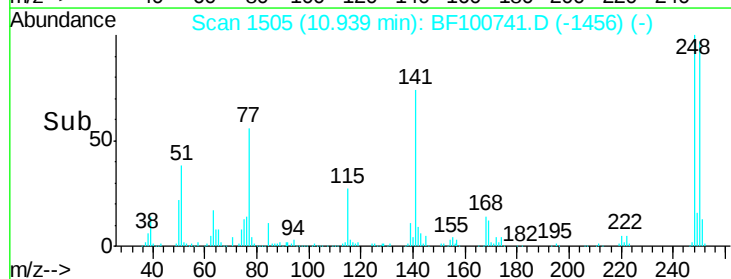
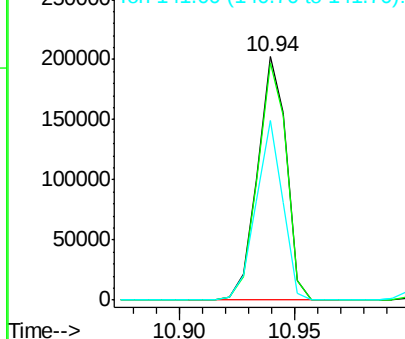


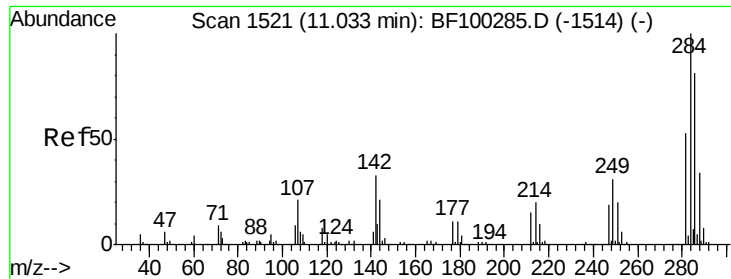
#66
4-Bromophenyl-phenylether
Concen: 47.24 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:248 Resp: 176414
Ion Ratio Lower Upper
248 100
250 97.3 76.9 115.3
141 73.9 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

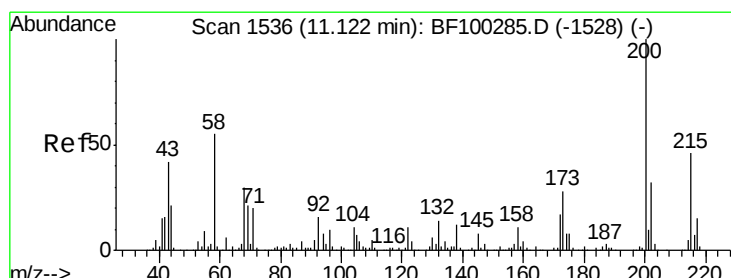
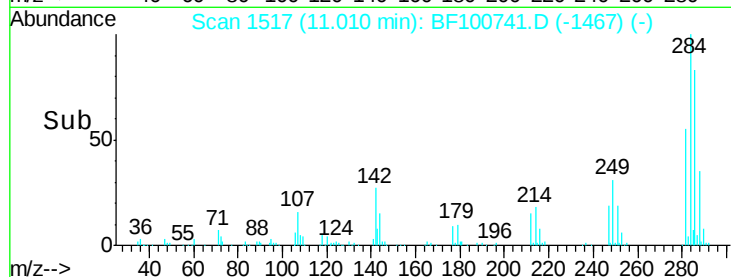
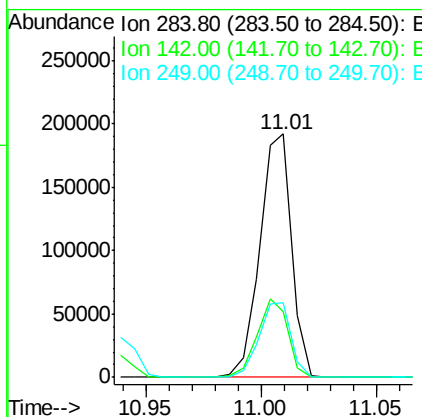
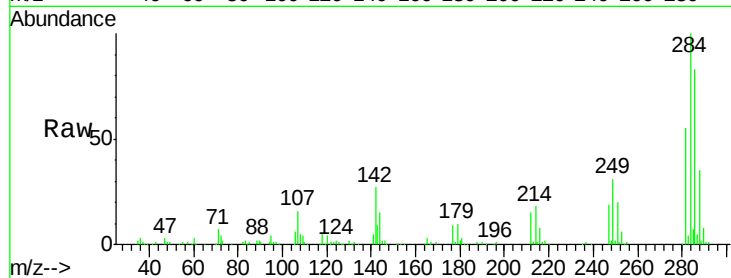




#67
Hexachlorobenzene
Concen: 47.03 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

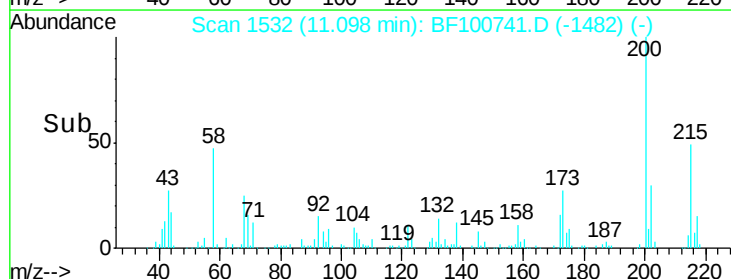
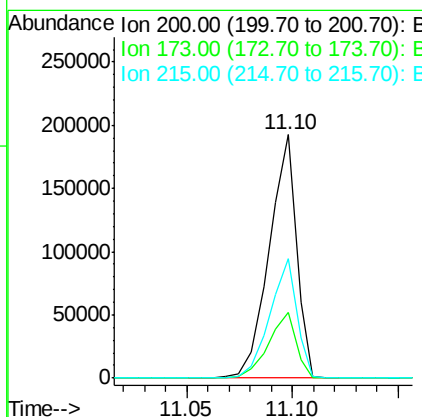
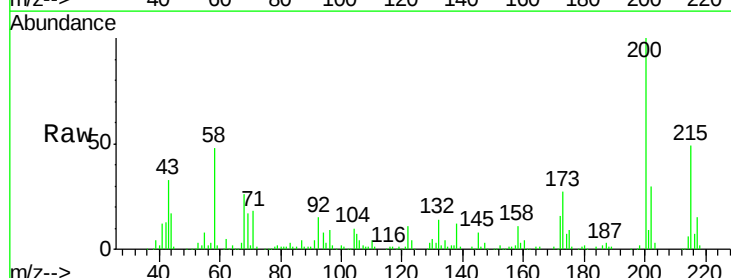
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

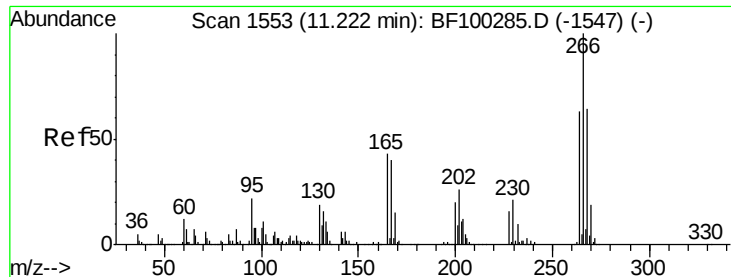
Tgt Ion: 284 Resp: 183684
Ion Ratio Lower Upper
284 100
142 27.1 34.6 52.0#
249 30.7 24.8 37.2



#68
Atrazine
Concen: 47.33 ng
RT: 11.10 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion: 200 Resp: 173531
Ion Ratio Lower Upper
200 100
173 26.9 8.6 48.6
215 48.8 25.1 65.1

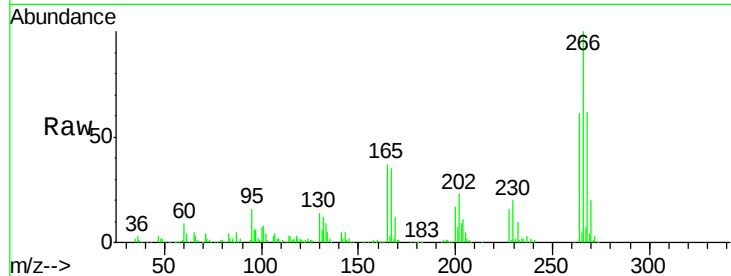




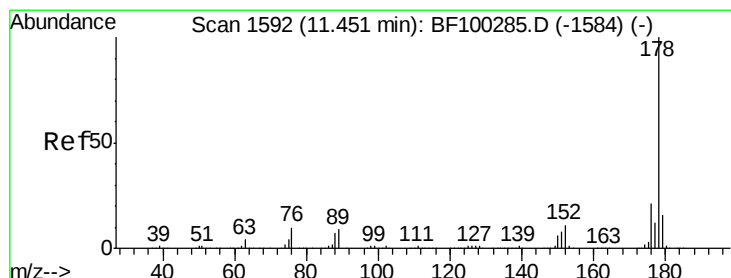
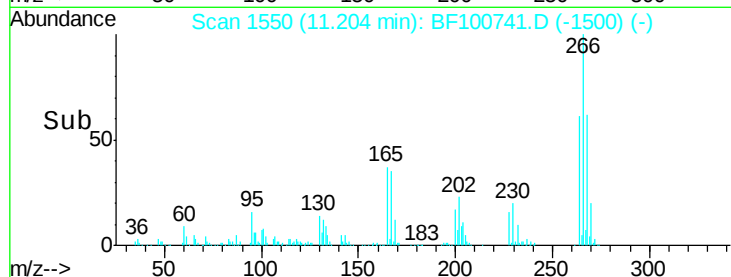
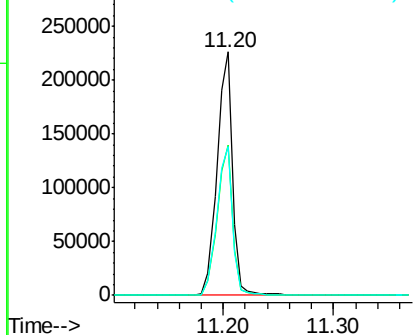
#69
 Pentachlorophenol
 Concen: 78.40 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.1	76.7
264	61.4	49.5	74.3

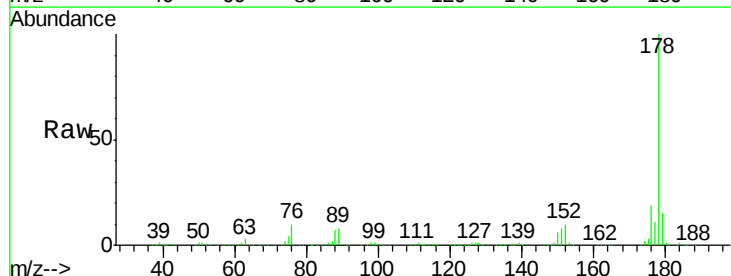


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

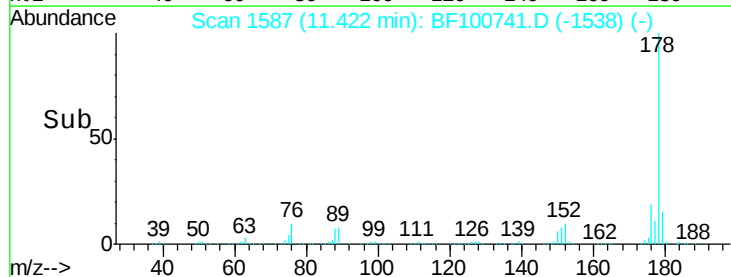
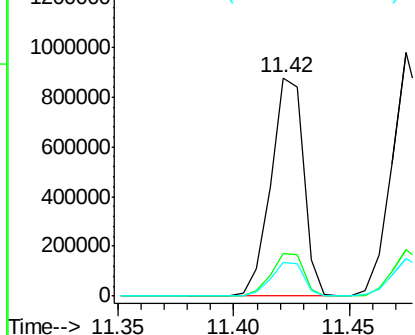


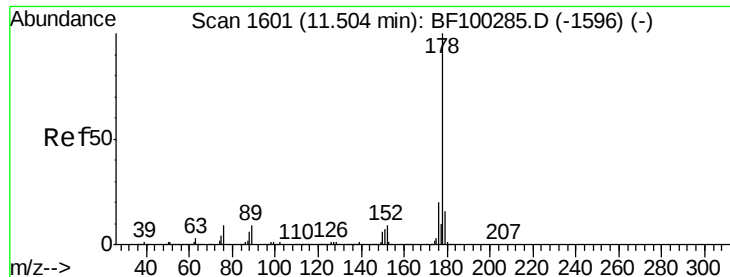
#70
 Phenanthrene
 Concen: 46.92 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	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

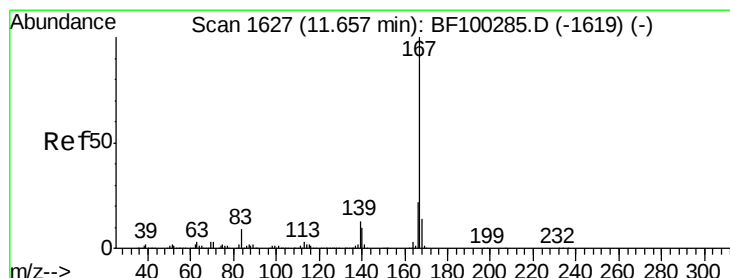
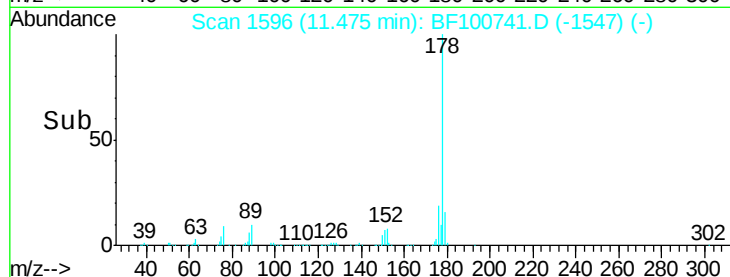
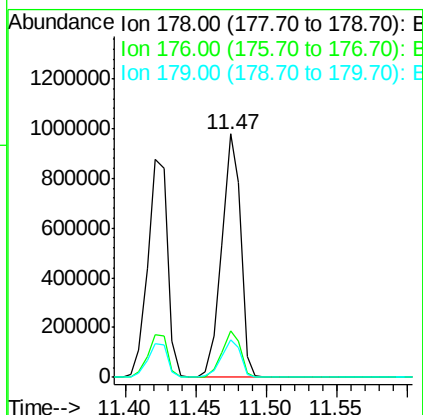
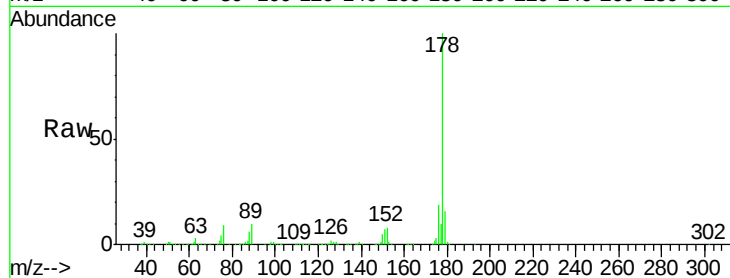




#71
 Anthracene
 Concen: 49.00 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

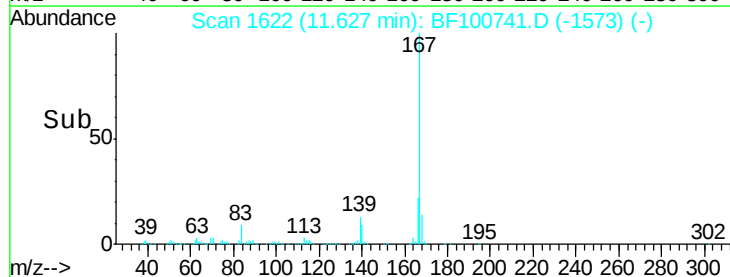
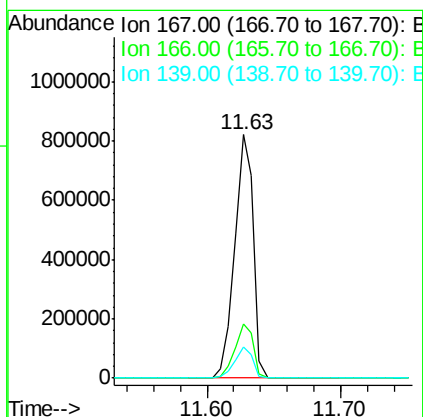
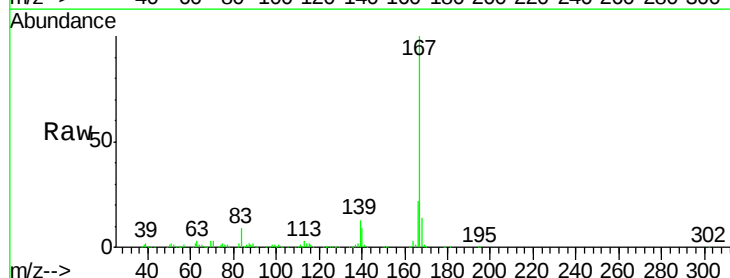
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion:178 Resp: 911944
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.6 12.6 19.0



#72
 Carbazole
 Concen: 46.67 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:167 Resp: 801416
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 12.8 10.9 16.3





#73

Di-n-butylphthalate

Concen: 46.40 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

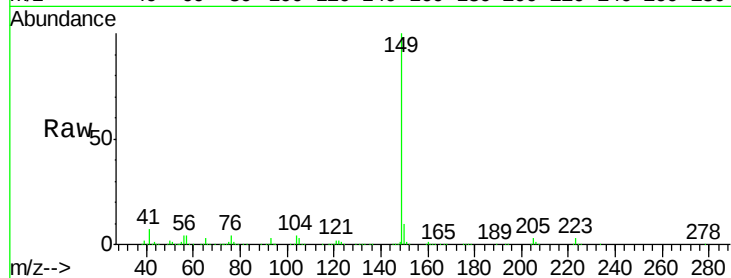
Tgt Ion:149 Resp: 932343

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

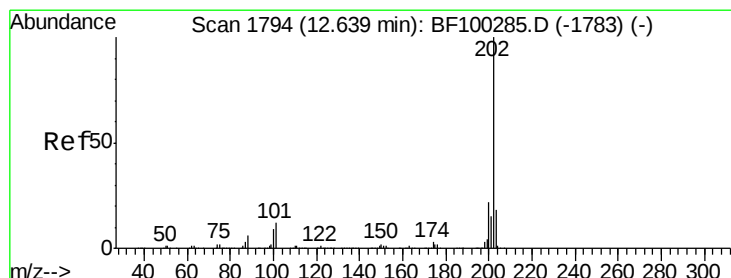
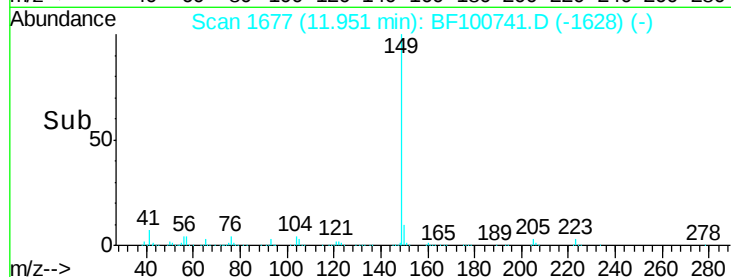
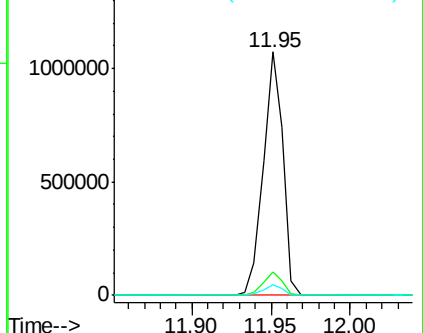
104 4.4 3.8 5.8



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: 53.72 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

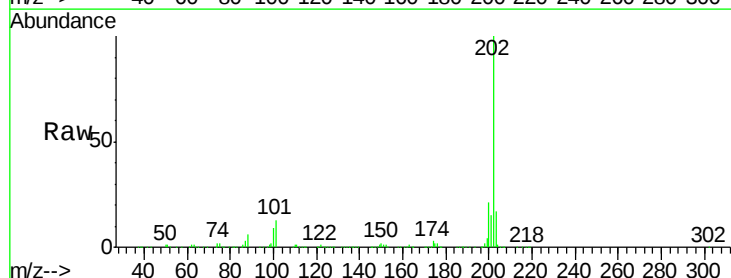
Tgt Ion:202 Resp: 1044386

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

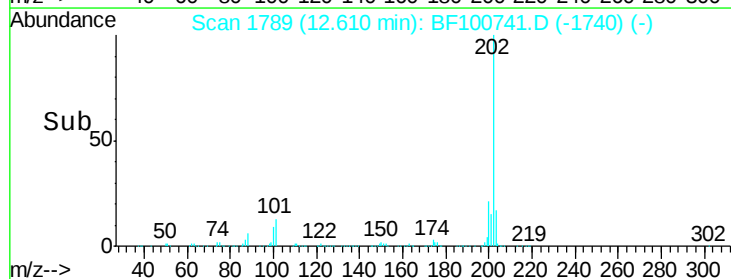
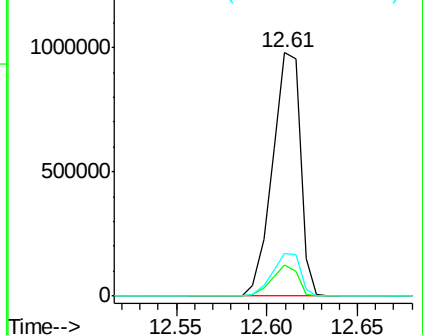
203 17.4 0.0 38.1

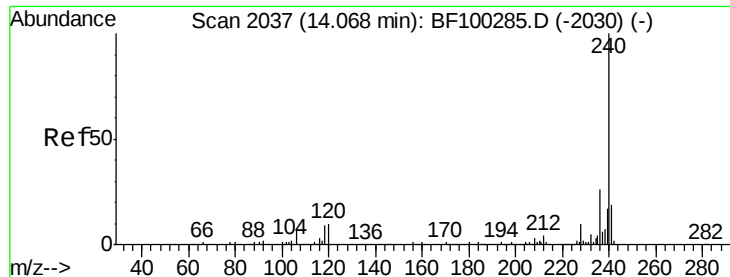


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

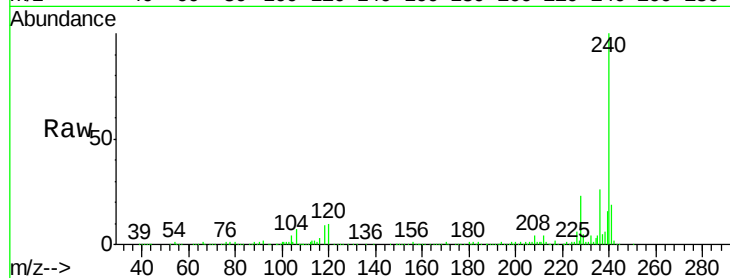
Tgt Ion:240 Resp: 227263

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

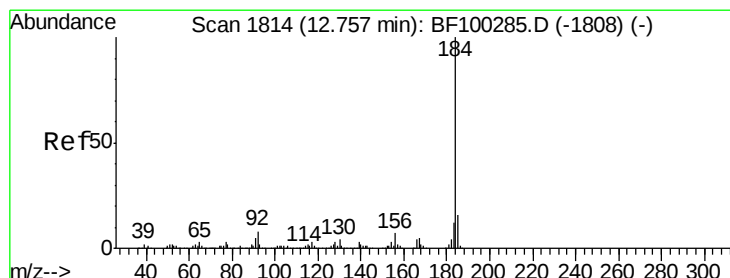
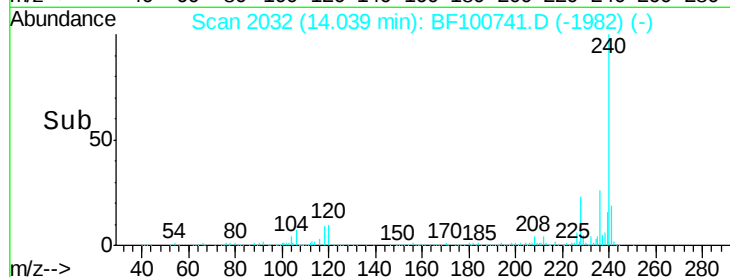
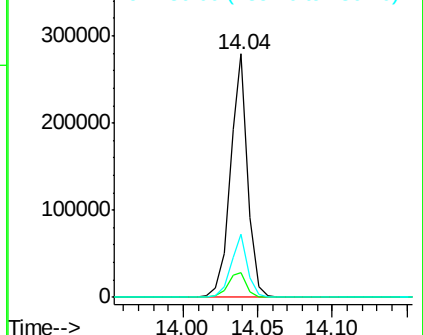
236 25.7 20.7 31.1



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: 23.23 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

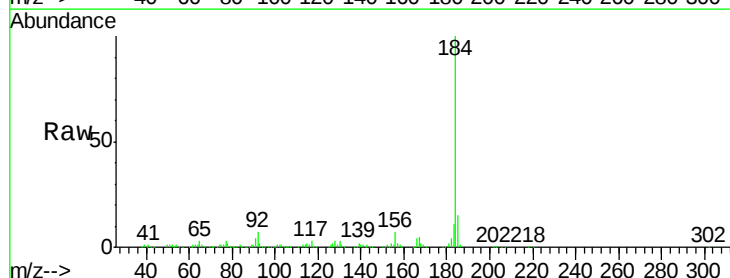
Tgt Ion:184 Resp: 211425

Ion Ratio Lower Upper

184 100

185 14.7 12.6 18.8

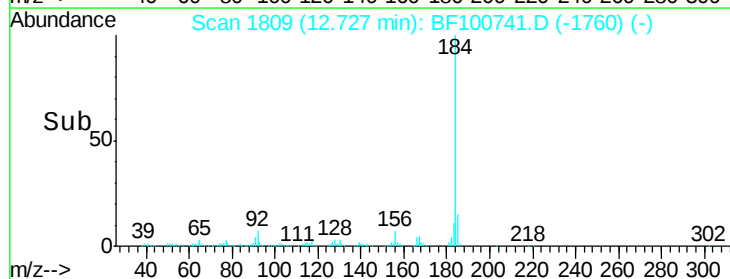
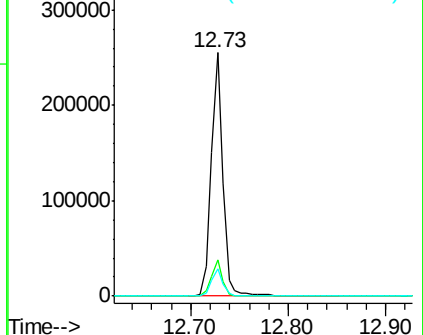
183 11.4 9.3 13.9

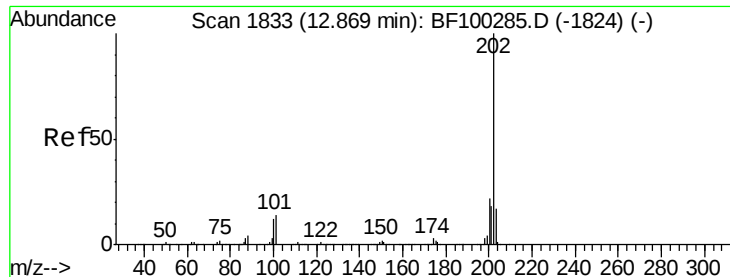


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

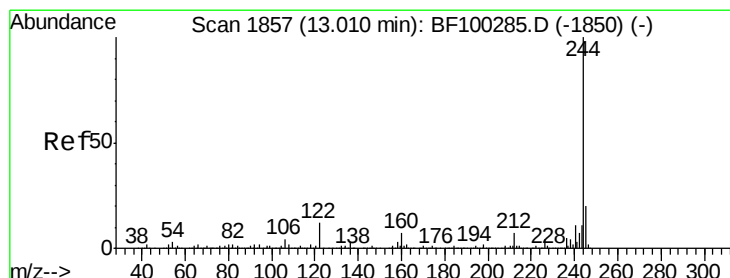
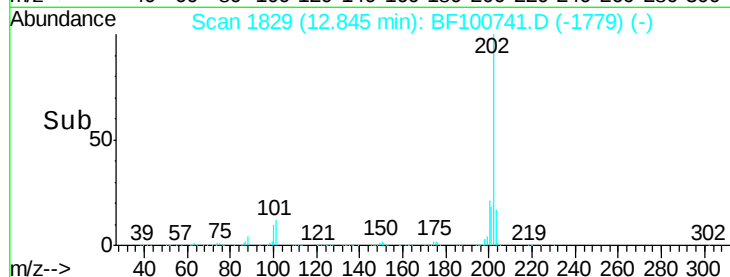
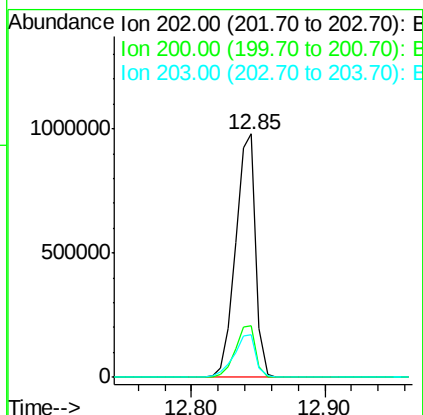
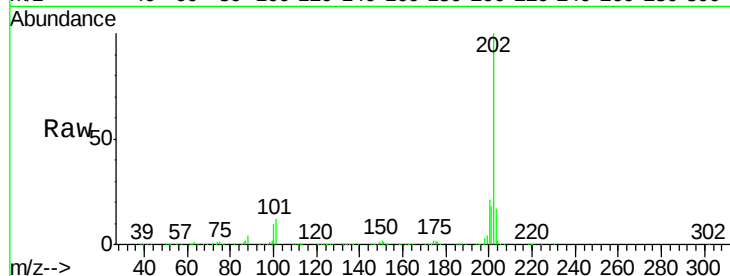




#77
 Pyrene
 Concen: 63.27 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

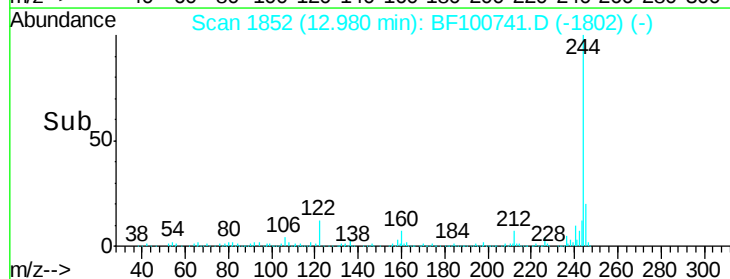
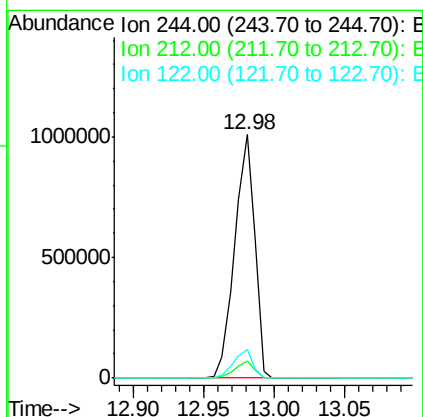
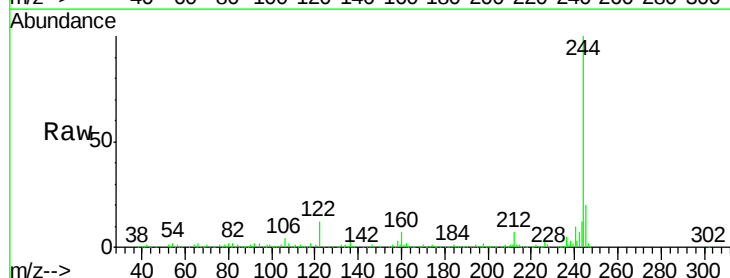
Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

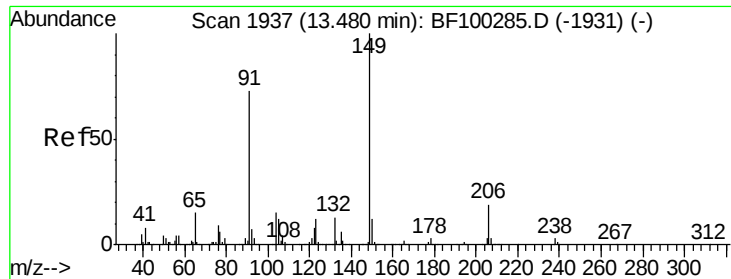
Tgt Ion:202 Resp: 1024918
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.4 26.2
 203 17.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 100.81 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:244 Resp: 997125
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.5 11.0 16.4

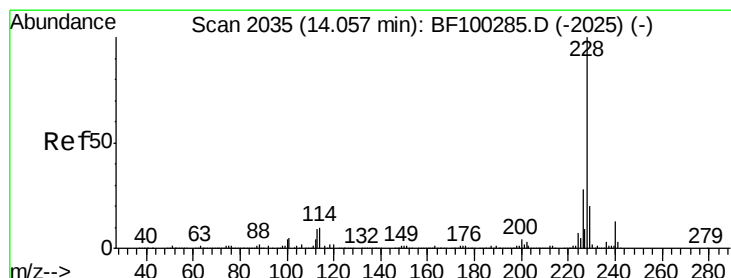
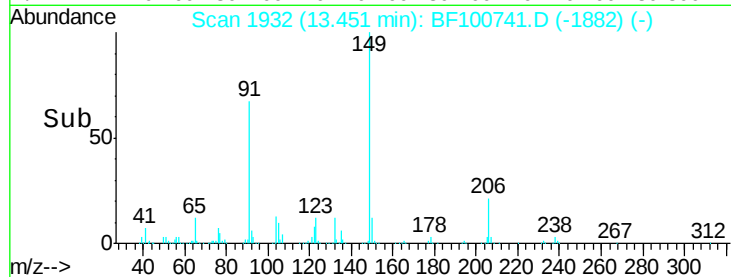
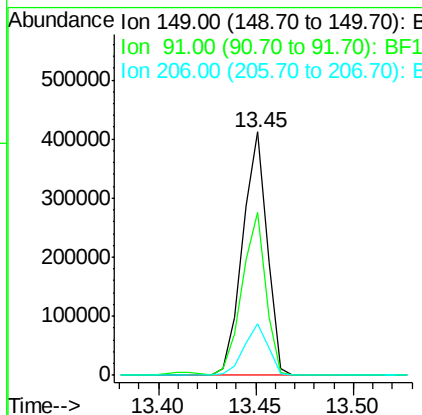
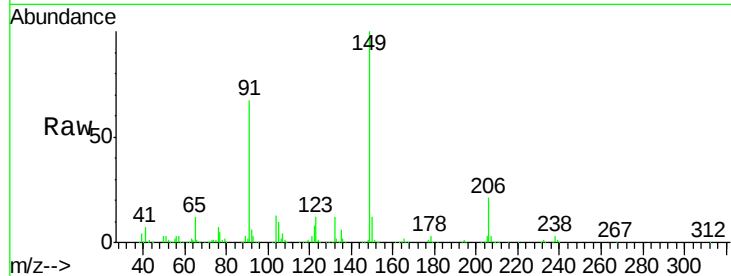




#79
Butylbenzylphthalate
Concen: 54.14 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

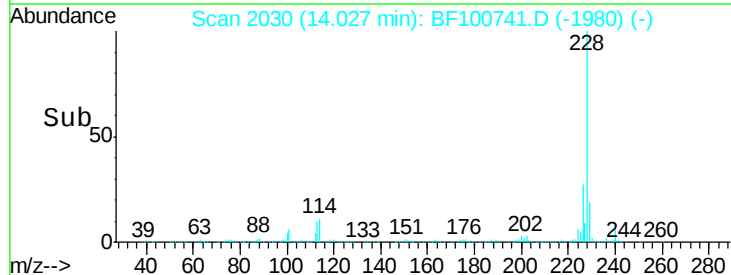
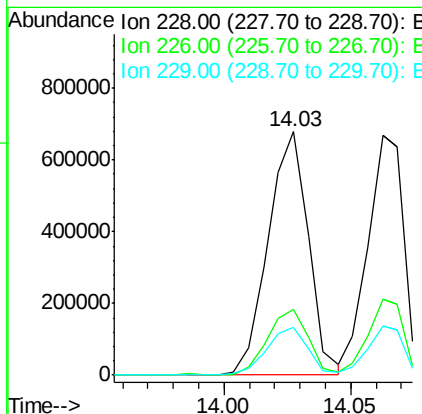
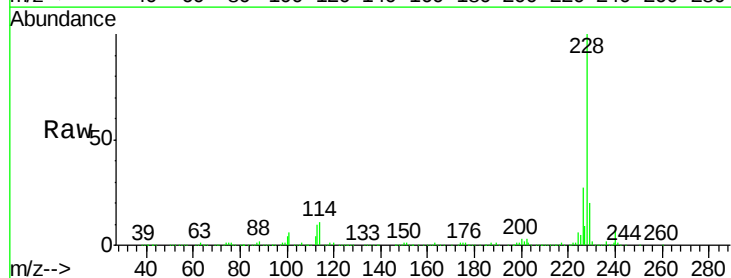
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

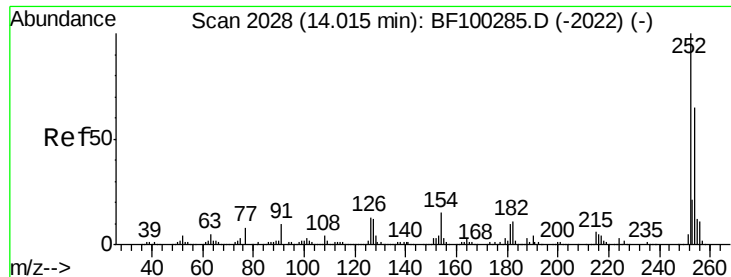
Tgt Ion:	149	Resp:	357715
Ion Ratio	Lower	Upper	
149	100		
91	66.8	56.8	85.2
206	21.0	14.1	21.1



#80
Benzo(a)anthracene
Concen: 54.32 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:	228	Resp:	743421
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	19.6	15.8	23.6

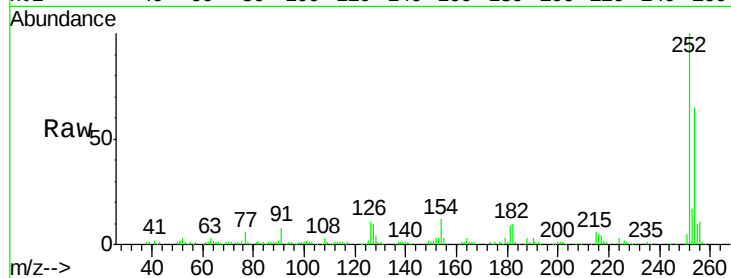




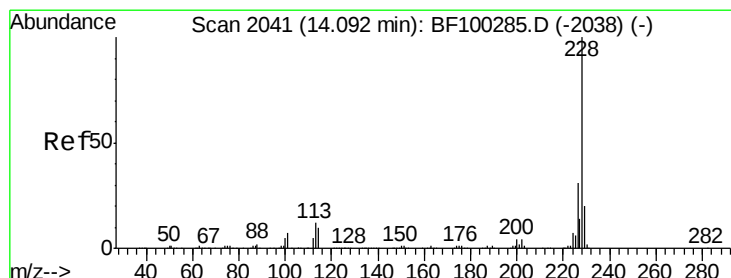
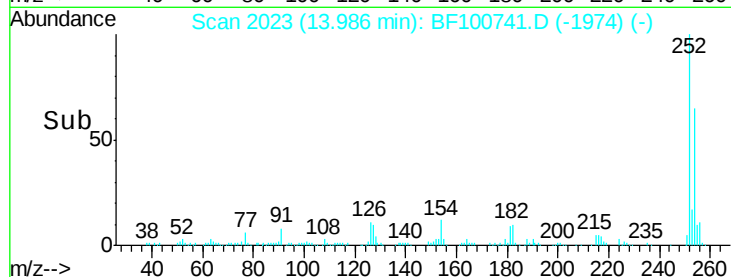
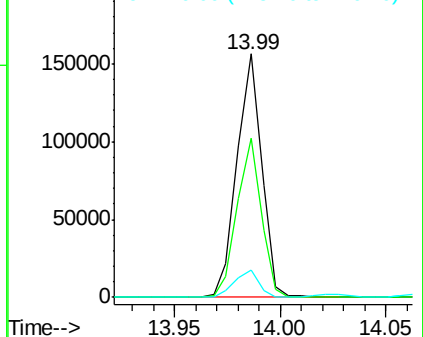
#81
 3,3'-Dichlorobenzidine
 Concen: 25.74 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.4	75.6
126	11.1	11.3	16.9#

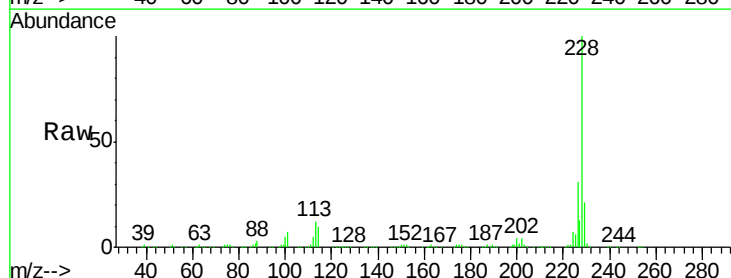


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

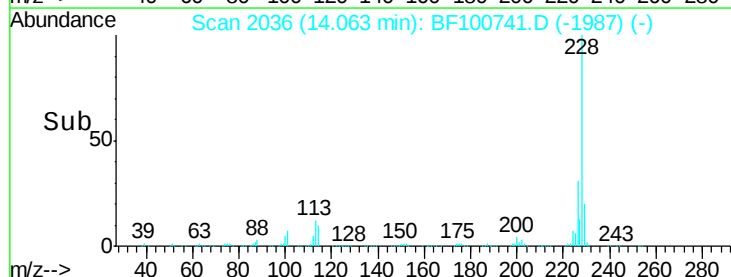
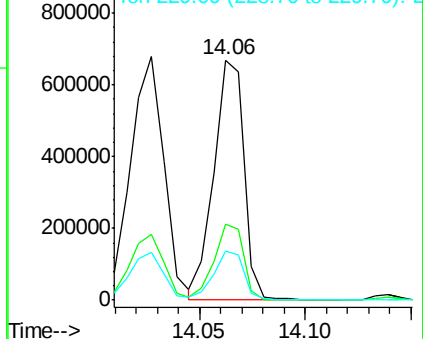


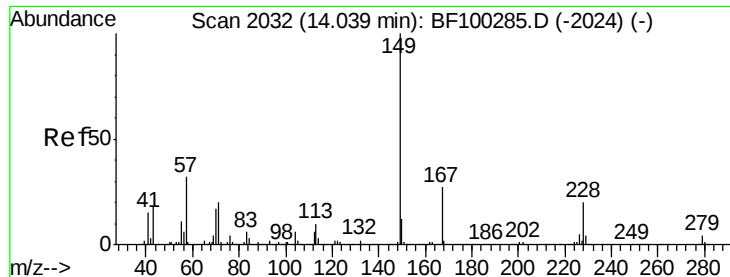
#82
 Chrysene
 Concen: 49.90 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.5	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

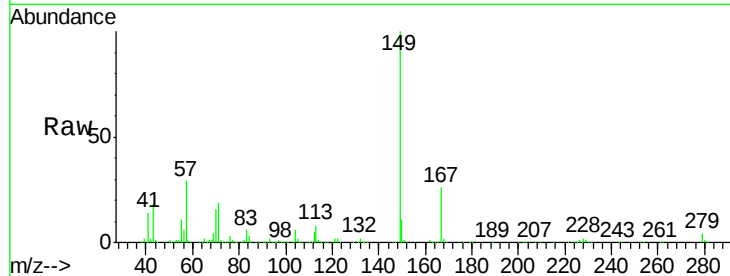




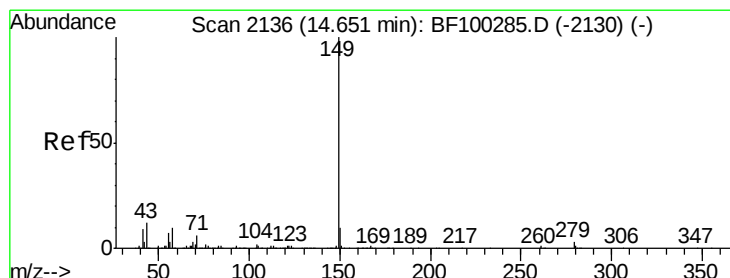
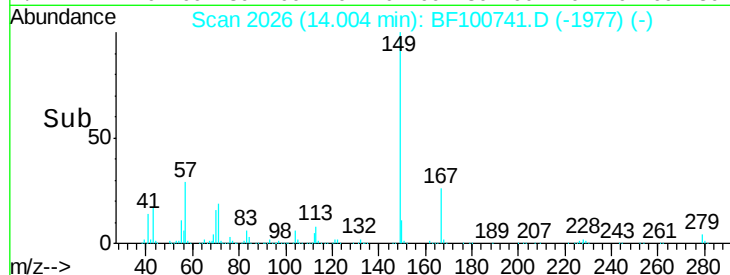
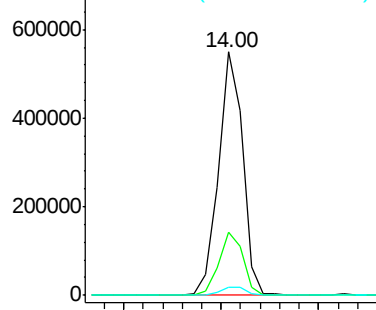
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.31 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)MSD

Tgt Ion:149 Resp: 471929
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.3 31.9
 279 3.6 3.0 4.4

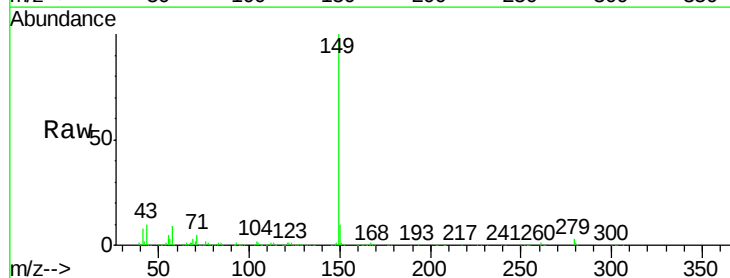


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

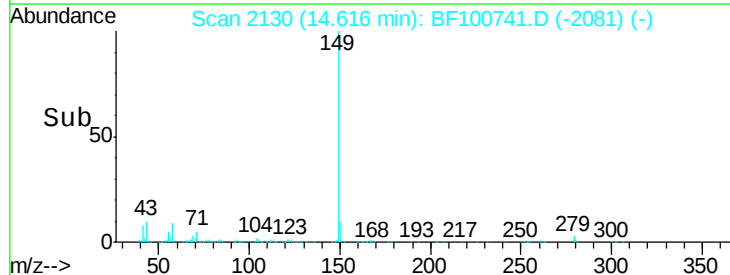
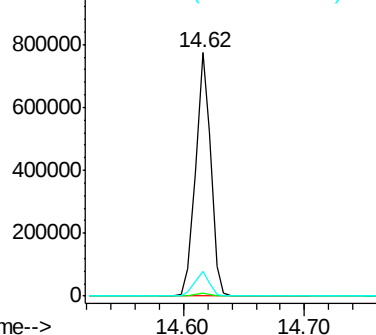


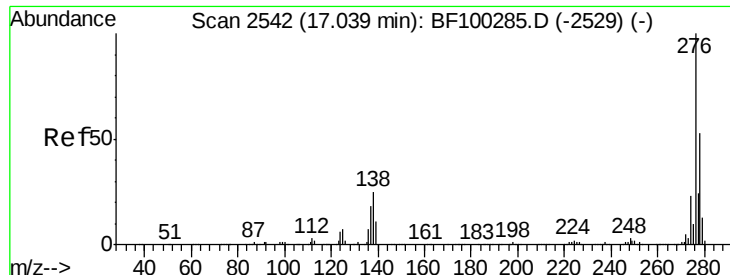
#84
 Di-n-octyl phthalate
 Concen: 44.92 ng
 RT: 14.62 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BF100741.D
 Acq: 20 Nov 2017 20:20

Tgt Ion:149 Resp: 670619
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 9.9 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: 60.32 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

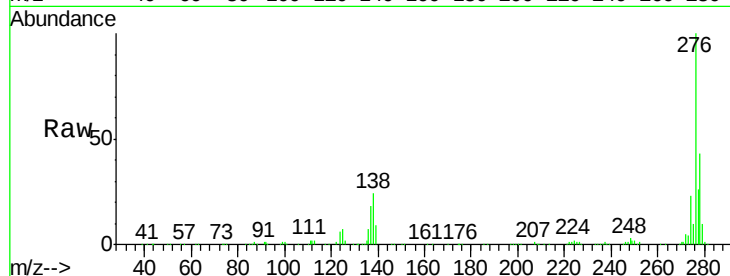
Tgt Ion:276 Resp: 646642

Ion Ratio Lower Upper

276 100

138 26.2 25.0 37.6

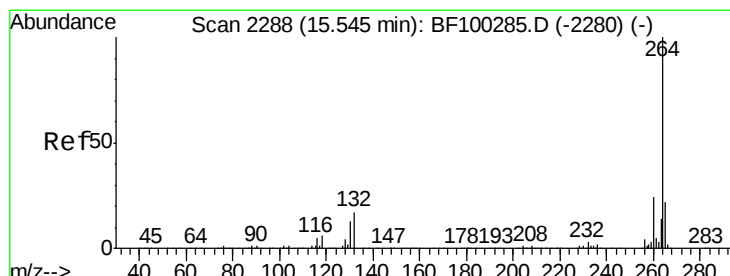
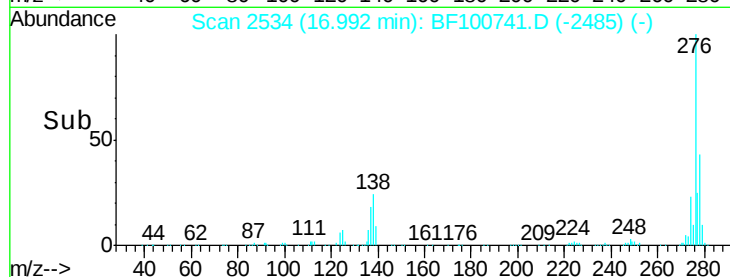
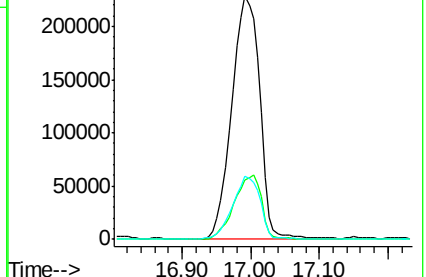
277 25.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

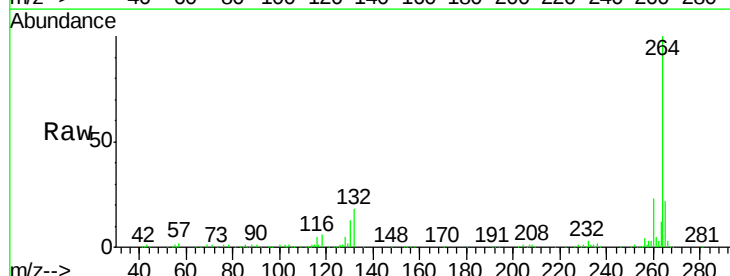
Tgt Ion:264 Resp: 191547

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

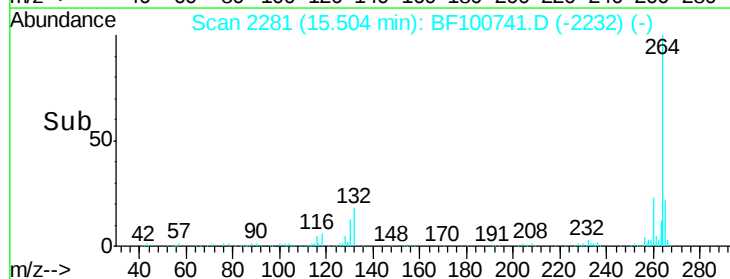
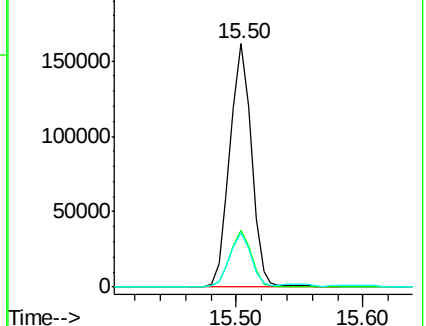
265 22.4 17.5 26.3

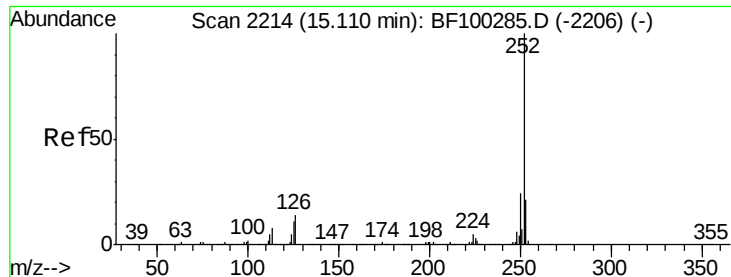


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 52.20 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

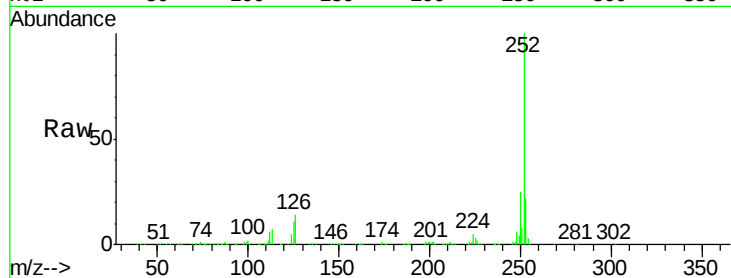
Tgt Ion:252 Resp: 592369

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

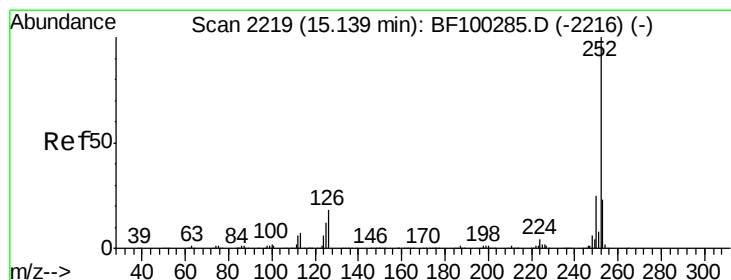
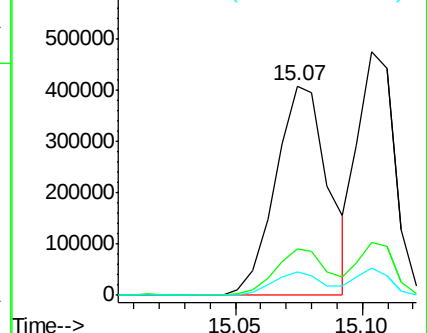
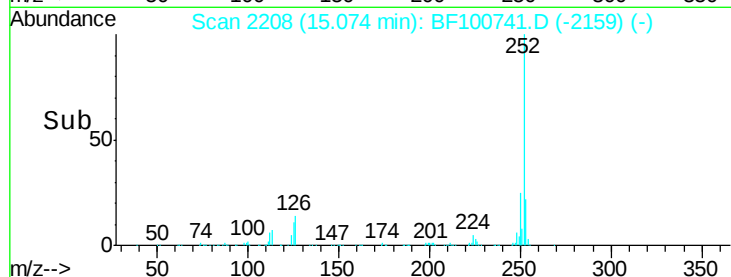
125 11.1 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 45.38 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

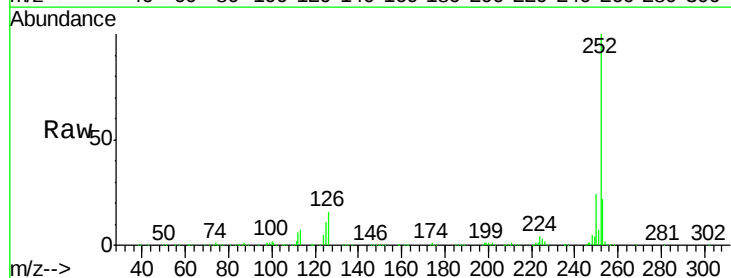
Tgt Ion:252 Resp: 486541

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

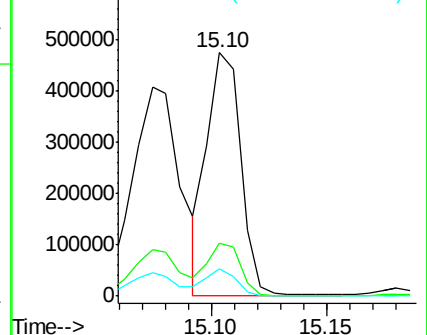
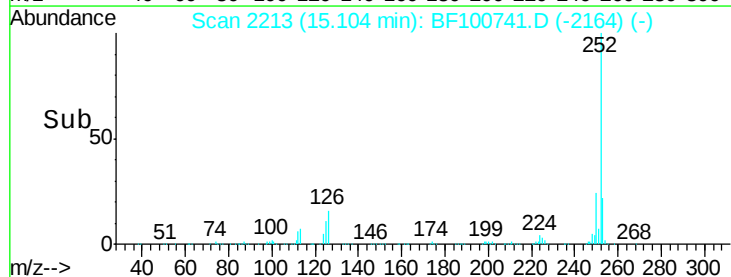
125 11.3 10.2 15.2

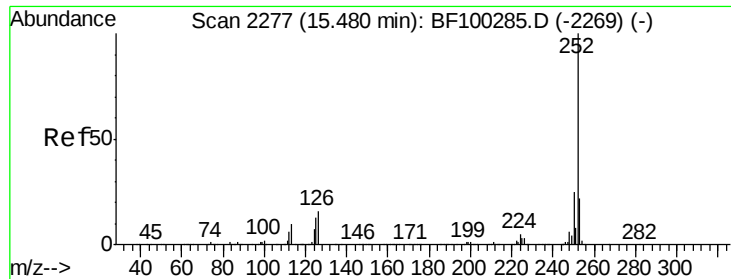


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

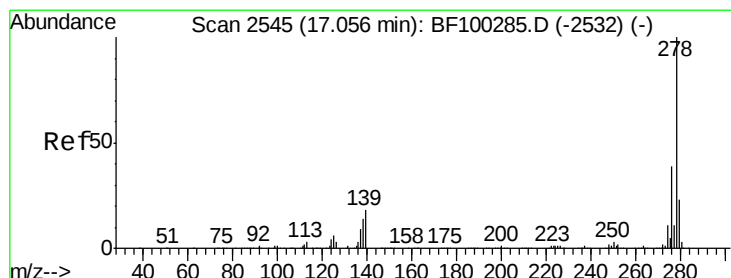
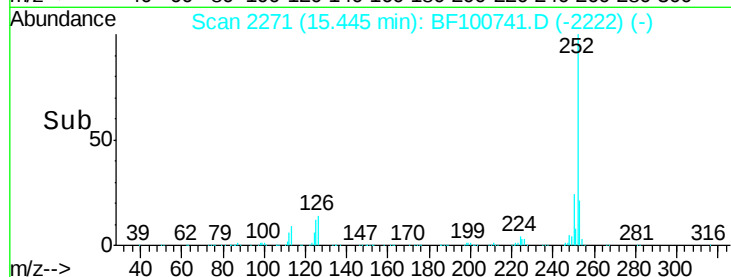
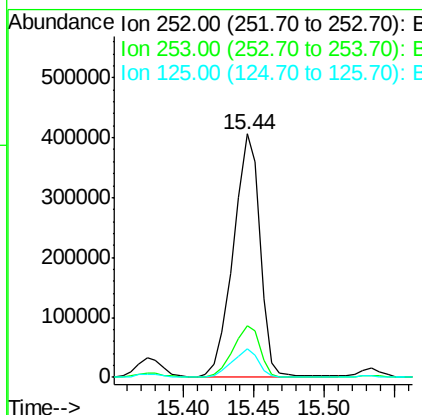
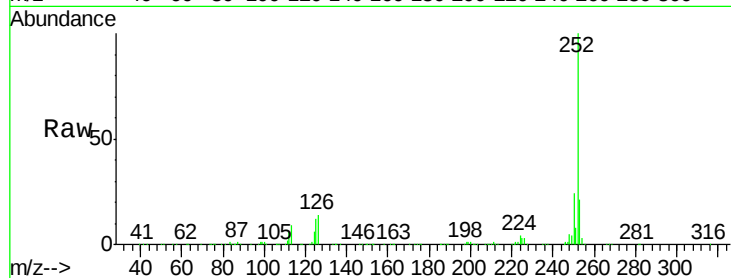




#89
Benzo(a)pyrene
Concen: 53.18 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

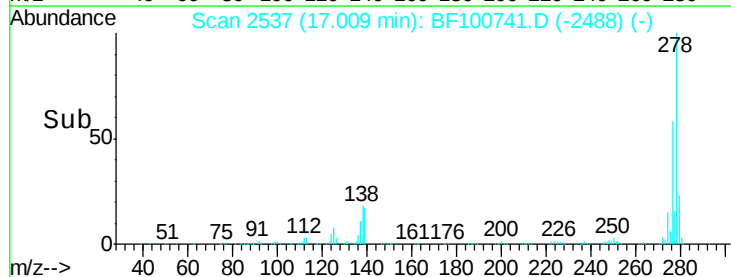
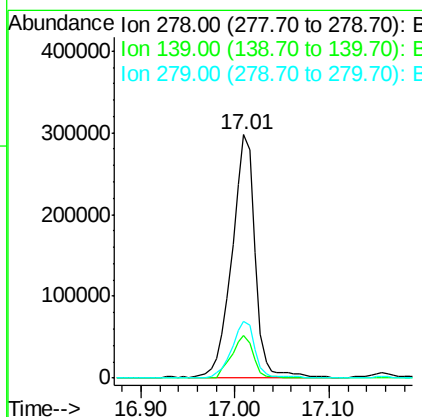
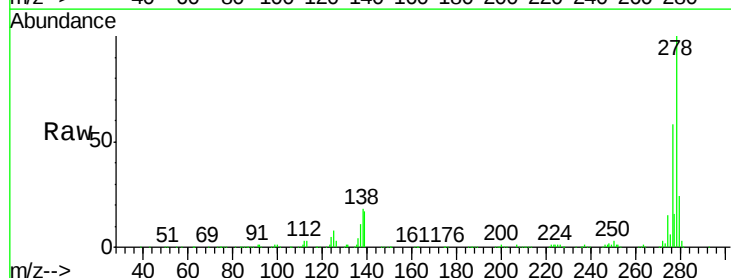
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)MSD

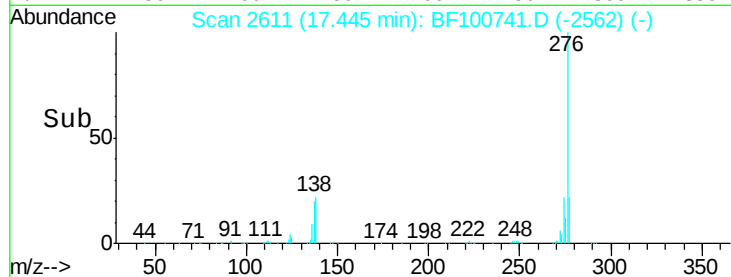
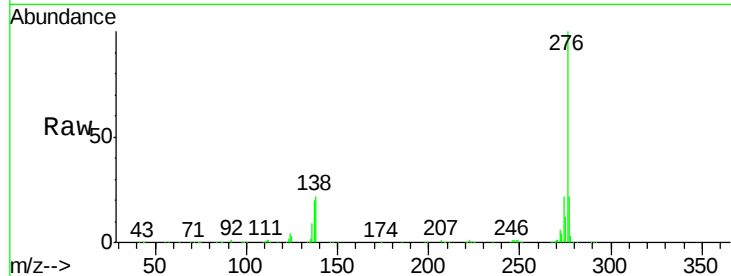
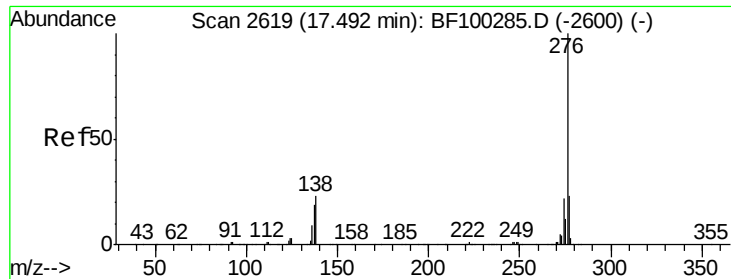
Tgt Ion:252 Resp: 534989
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 11.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 61.21 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF100741.D
Acq: 20 Nov 2017 20:20

Tgt Ion:278 Resp: 503630
Ion Ratio Lower Upper
278 100
139 17.3 15.9 23.9
279 23.5 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 71.16 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100741.D

Acq: 20 Nov 2017 20:20

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)MSD

Tgt Ion:276 Resp: 573107

Ion Ratio Lower Upper

276 100

277 22.0 17.9 26.9

138 22.3 21.8 32.8

