

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100791.D
 Acq On : 21 Nov 2017 20:07
 Operator : SJ/JU
 Sample : I6499-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:16:30 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	78712	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	304643	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	134976	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	232997	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	159729	20.00	ng	-0.01
86) Perylene-d12	15.50	264	184658	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	594555	121.08	ng	0.00
7) Phenol-d6	6.50	99	714129	117.94	ng	0.00
23) Nitrobenzene-d5	7.43	82	446249	96.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	164489	119.59	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	821347	92.66	ng	-0.01
78) Terphenyl-d14	12.98	244	570023	82.00	ng	0.00

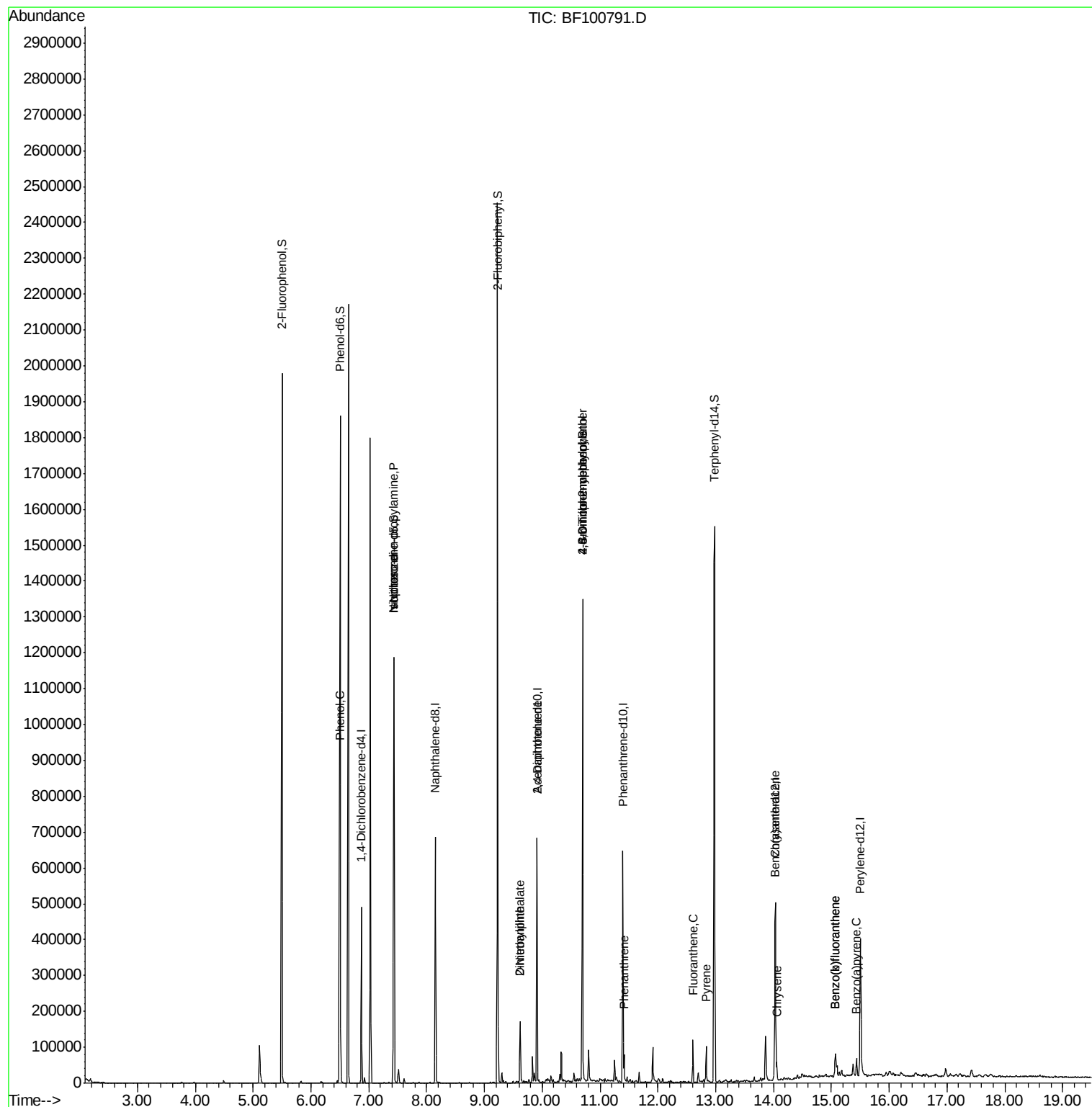
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	36169	5.69	ng	94
19) n-Nitroso-di-n-propylamine	7.43	70	57948	13.80	ng	# 80
25) Isophorone	7.43	82	446240	46.08	ng	# 64
47) 2-Nitroaniline	9.62	65	580	3.00	ng	# 1
49) Dimethylphthalate	9.62	163	68064	6.60	ng	99
56) 2,4-Dinitrotoluene	9.90	165	17402	6.76	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.70	198	175	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10523	4.21	ng	# 1
70) Phenanthrene	11.42	178	25547	2.08	ng	99
74) Fluoranthene	12.60	202	45186	3.48	ng	95
77) Pyrene	12.83	202	38813	3.41	ng	100
80) Benzo(a)anthracene	14.02	228	21583	2.24	ng	94
82) Chrysene	14.06	228	21673	2.33	ng	94
87) Benzo(b)fluoranthene	15.07	252	44671	4.08	ng	94
88) Benzo(k)fluoranthene	15.07	252	44671	4.32	ng	97
89) Benzo(a)pyrene	15.44	252	23191	2.39	ng	97

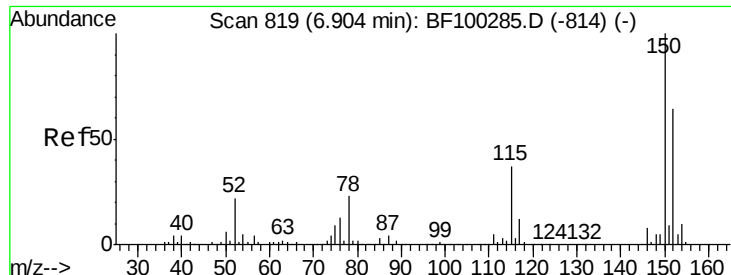
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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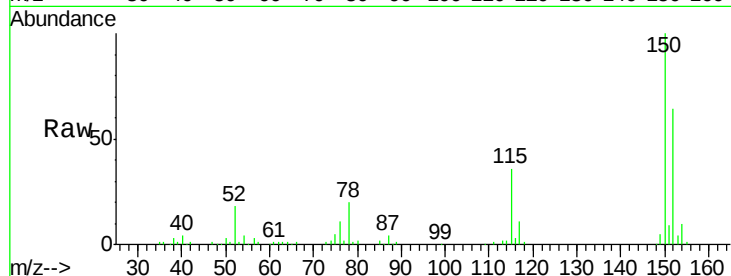


#1

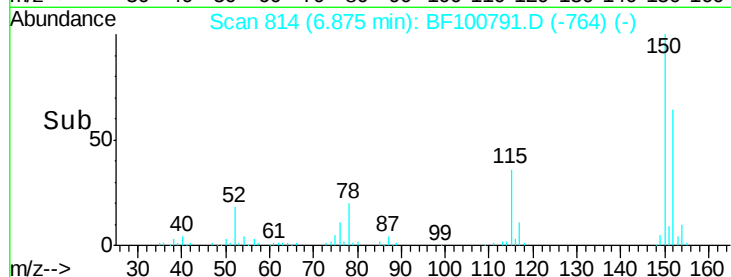
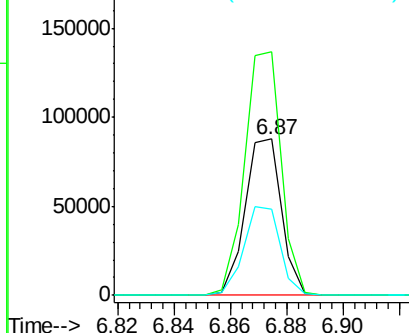
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78712
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 55.4 50.1 75.1



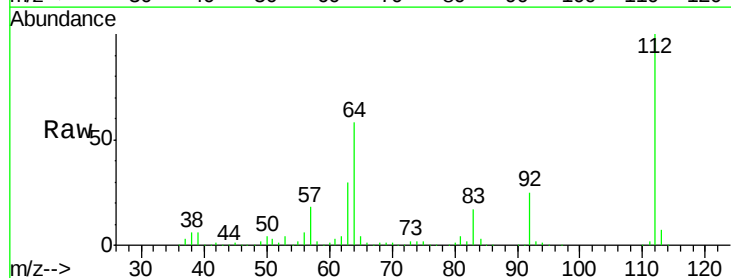
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



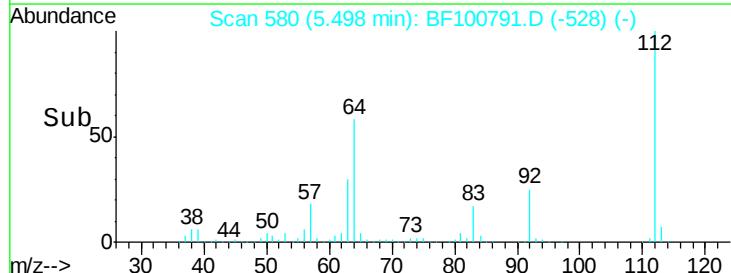
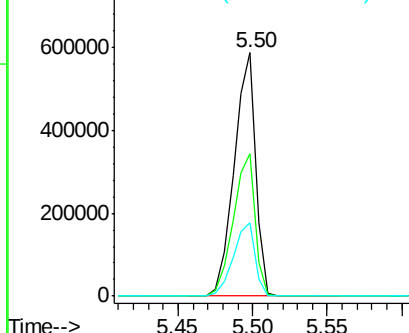
#5

2-Fluorophenol
Concen: 121.08 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion:112 Resp: 594555
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.9 23.7 35.5



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





#7

Phenol-d6

Concen: 117.94 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

Instrument :

BNA_F

ClientSampleId :

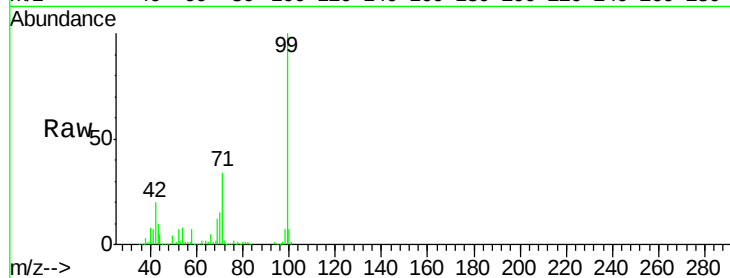
Tot Ion: 99 Resp: 714129

Ion Ratio Lower Upper

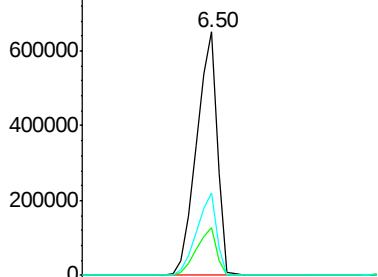
99 100

42 19.5 14.5 21.7

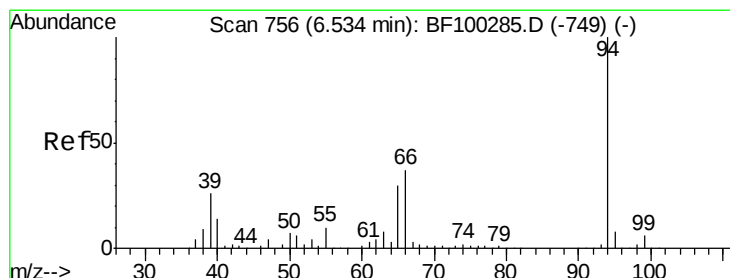
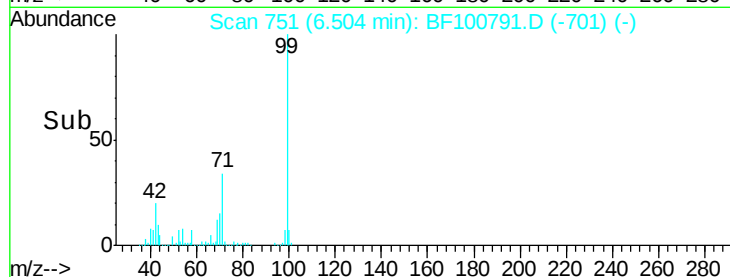
71 33.9 25.4 38.0



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



Time-->



#10

Phenol

Concen: 5.69 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

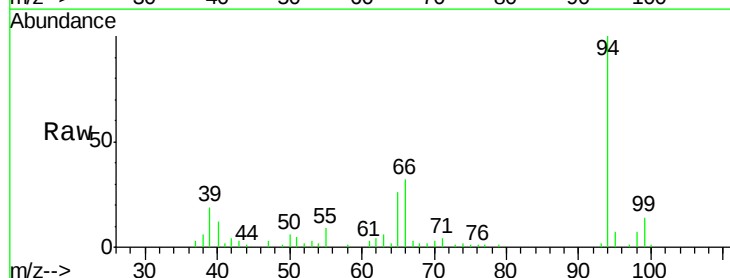
Tgt Ion: 94 Resp: 36169

Ion Ratio Lower Upper

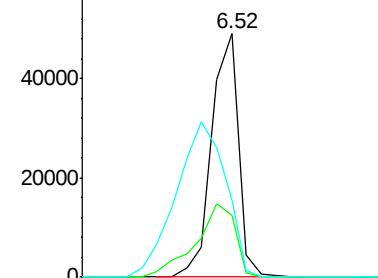
94 100

65 25.6 7.9 47.9

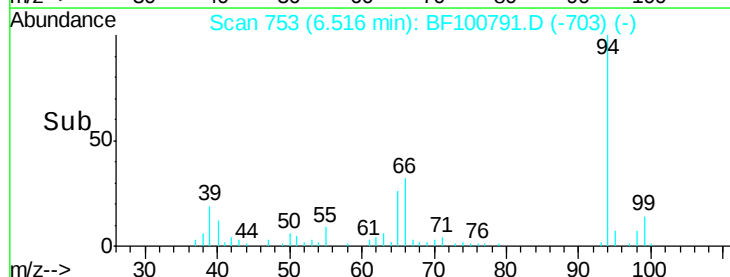
66 31.9 16.2 56.2



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



Time-->

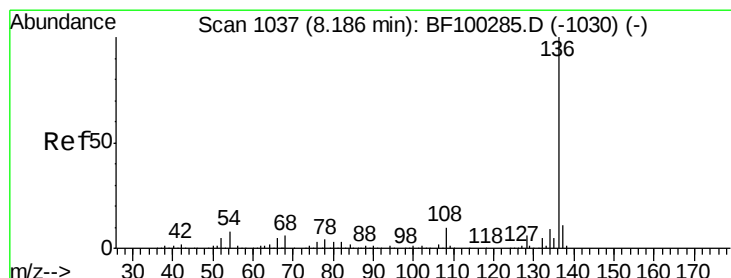
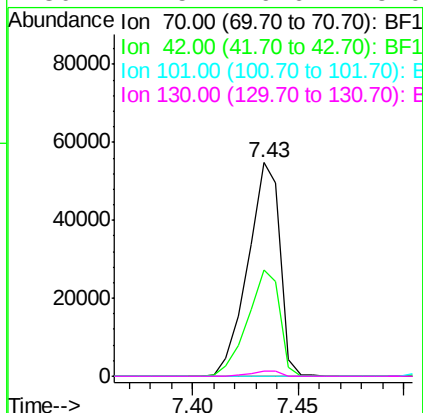
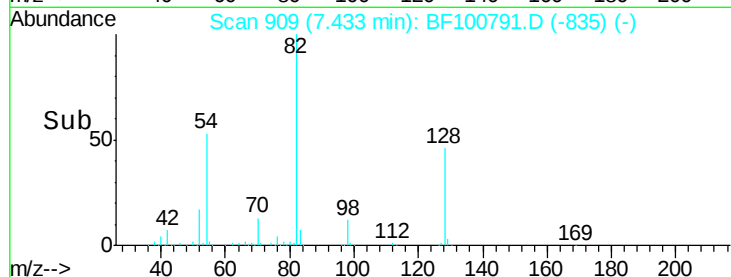
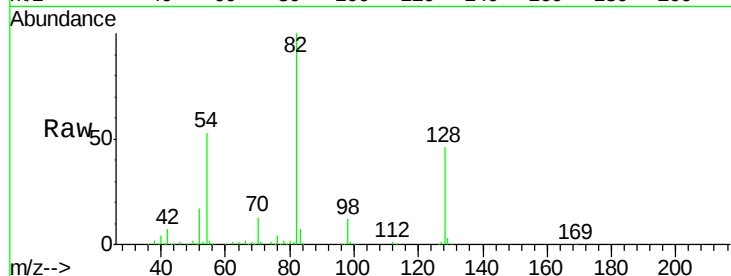




#19
n-Nitroso-di-n-propylamine
Concen: 13.80 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

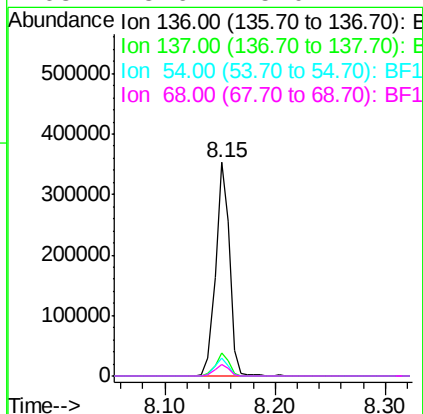
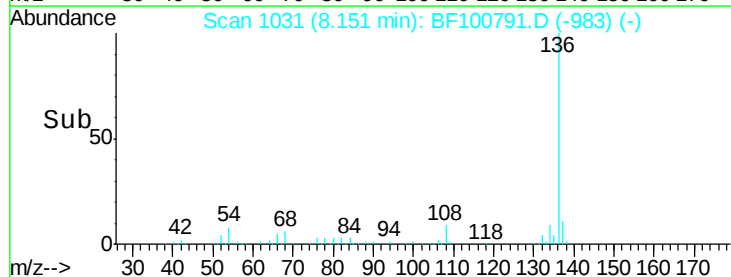
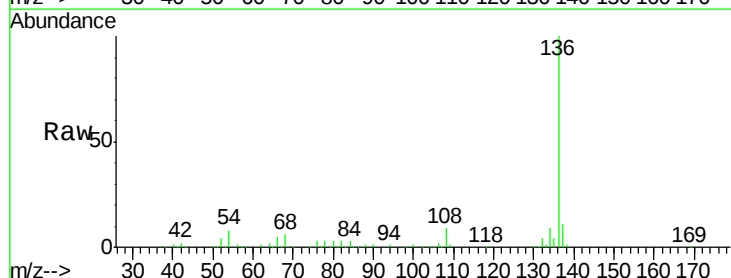
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 57948
Ion Ratio Lower Upper
70 100
42 49.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion: 136 Resp: 304643
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.3 6.6 9.8
68 5.6 5.0 7.4

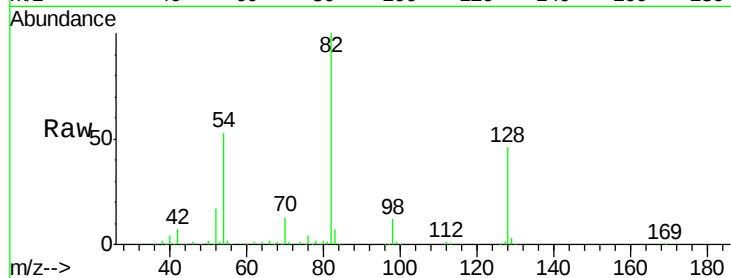




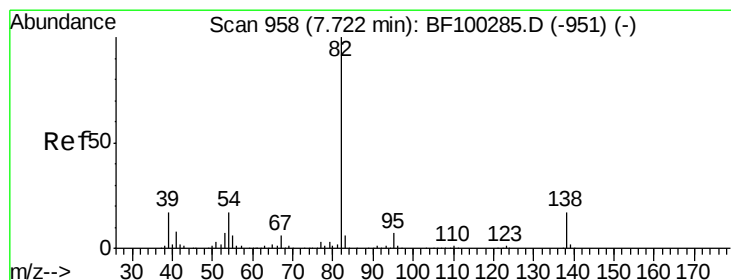
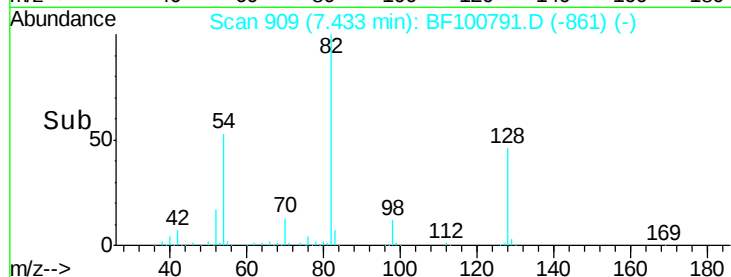
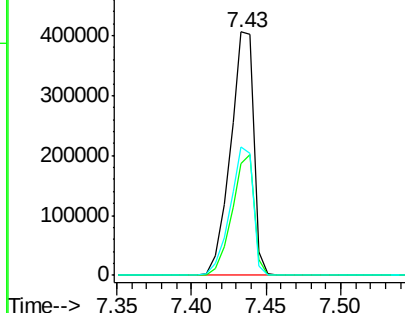
#23
Nitrobenzene-d5
Concen: 96.84 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 446249
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 52.8 41.4 62.2

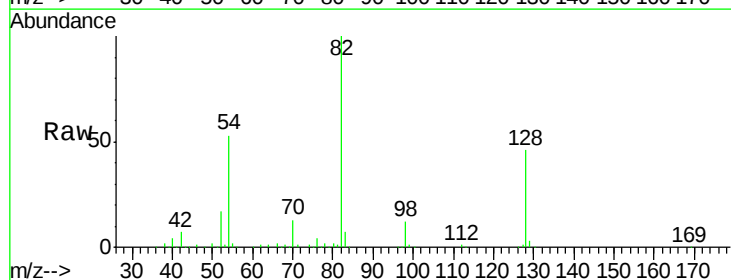


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

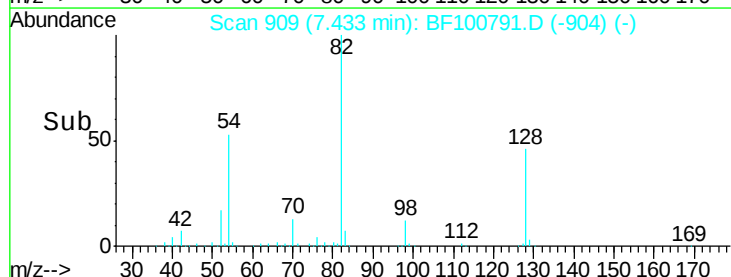
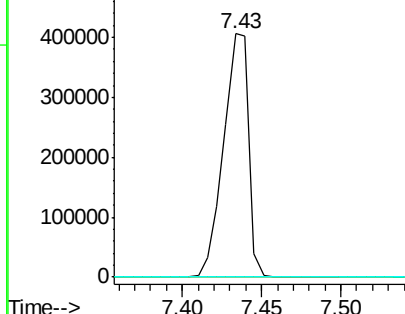


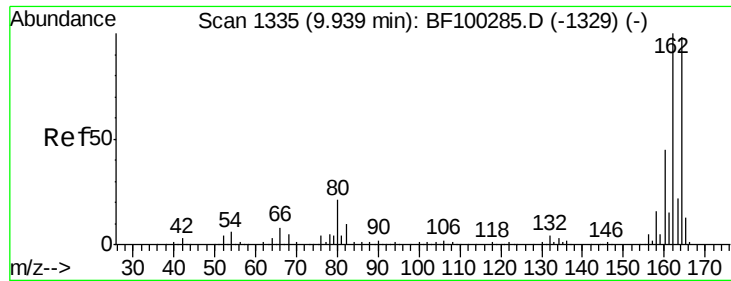
#25
Isophorone
Concen: 46.08 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion: 82 Resp: 446240
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

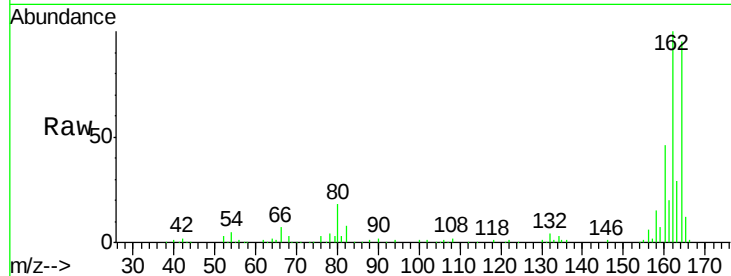




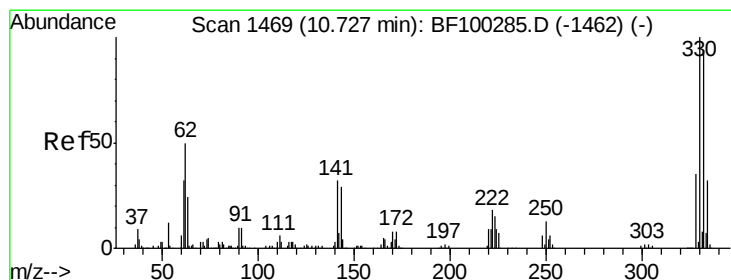
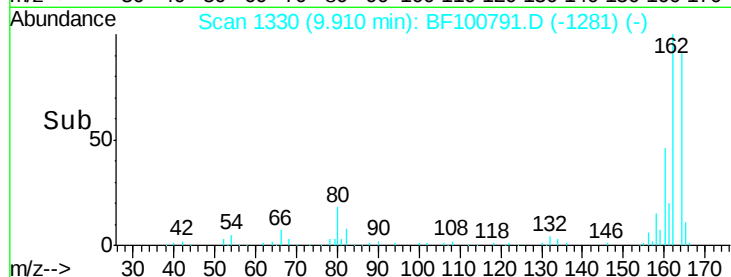
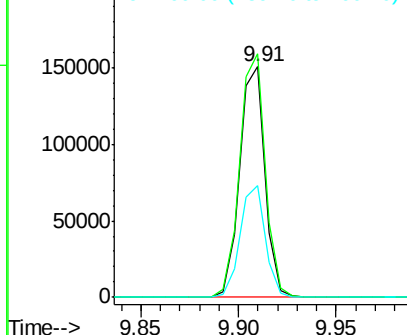
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100791.D
 Acq: 21 Nov 2017 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 134976
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 48.3 38.3 57.5

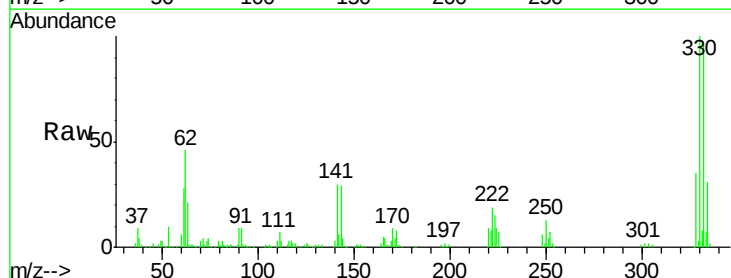


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

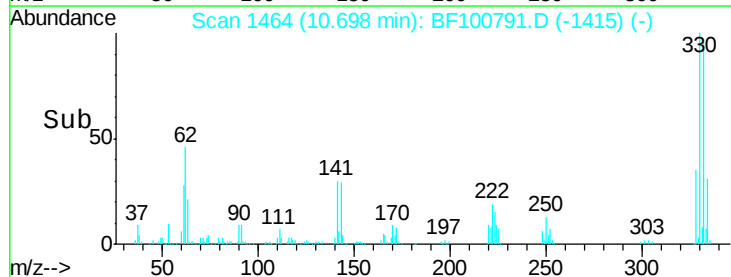
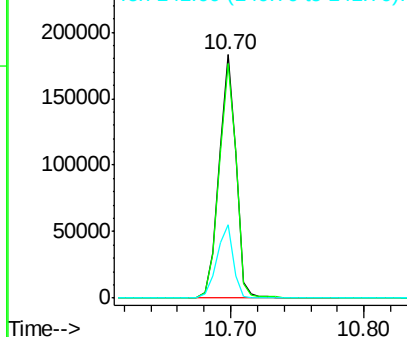


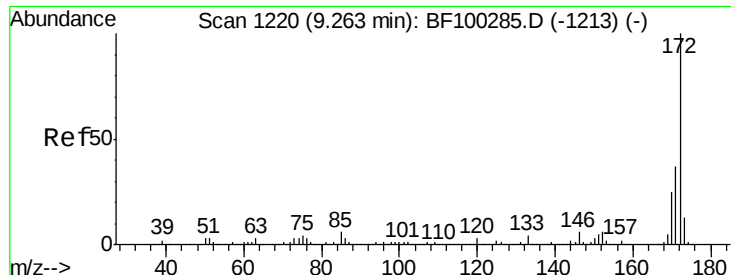
#41
 2,4,6-Tribromophenol
 Concen: 119.59 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100791.D
 Acq: 21 Nov 2017 20:07

Tgt Ion:330 Resp: 164489
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 29.3 29.9 44.9#



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

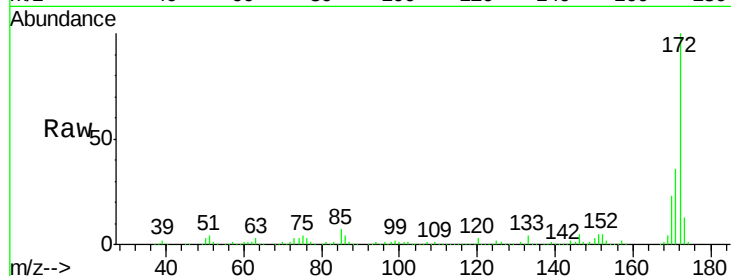




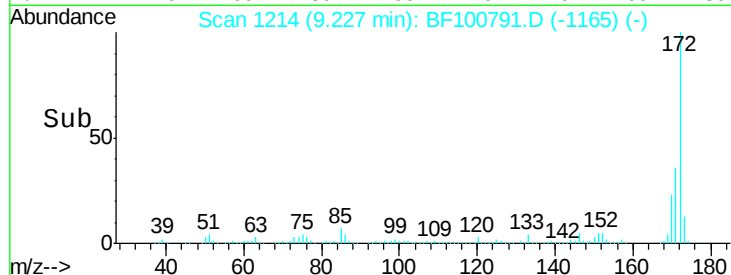
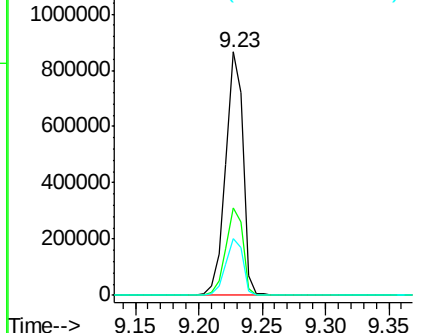
#44
2-Fluorobiphenyl
Concen: 92.66 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 821347
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.4 19.6 29.4

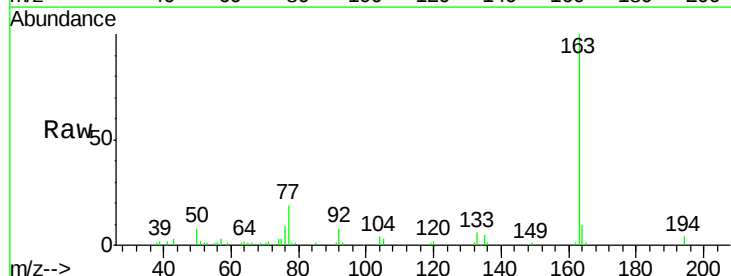


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

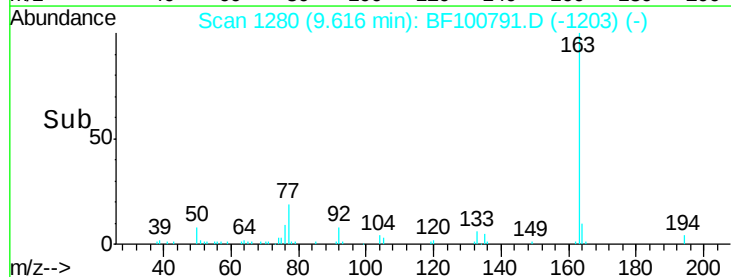
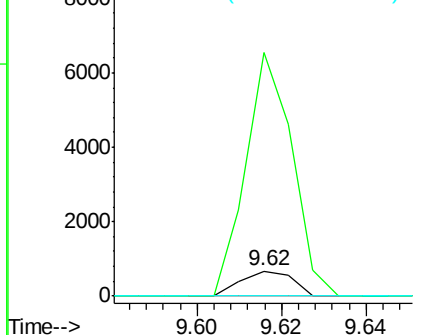


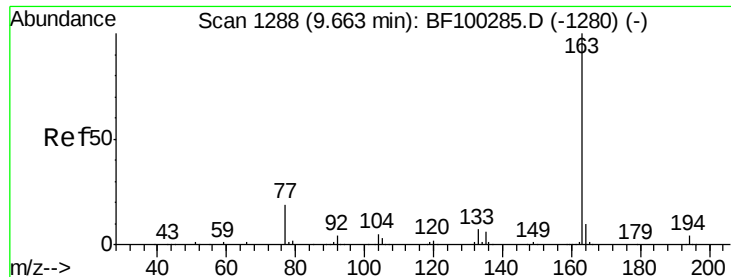
#47
2-Nitroaniline
Concen: 3.00 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.15 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion: 65 Resp: 580
Ion Ratio Lower Upper
65 100
92 973.8 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

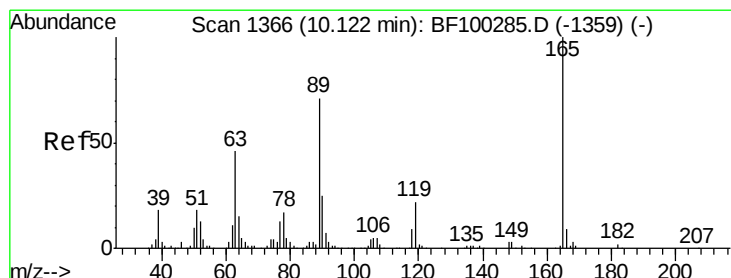
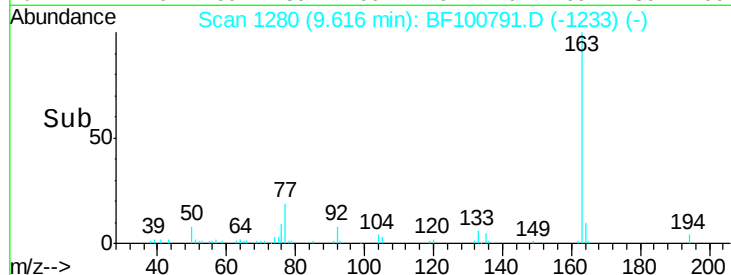
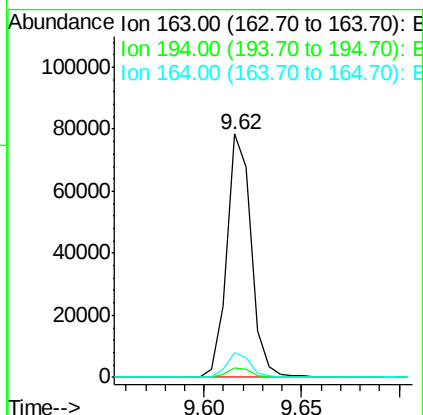
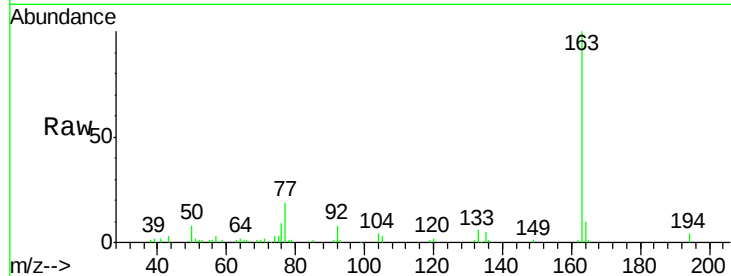




#49
Dimethylphthalate
Concen: 6.60 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

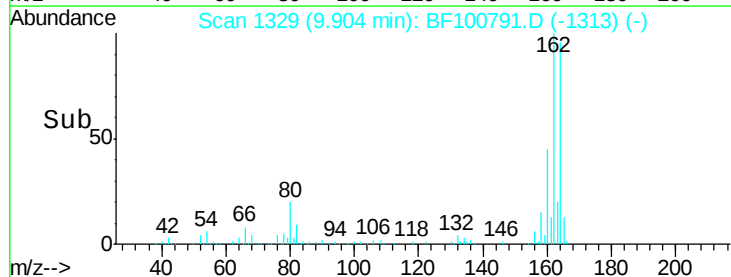
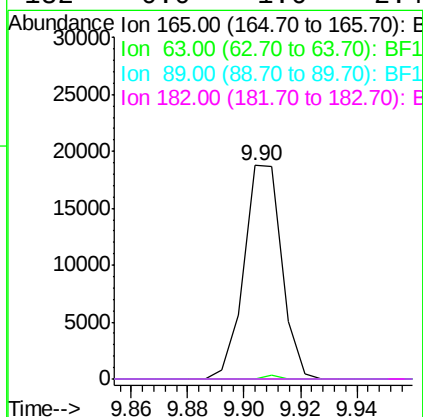
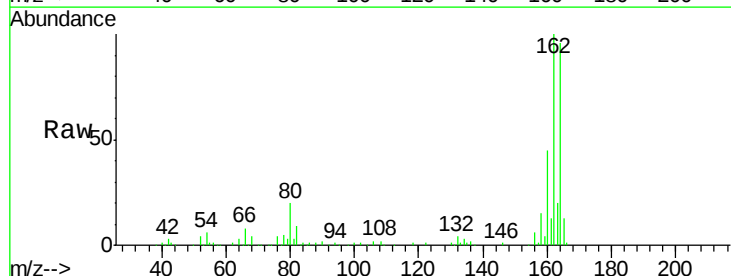
Instrument :
BNA_F
ClientSampled :

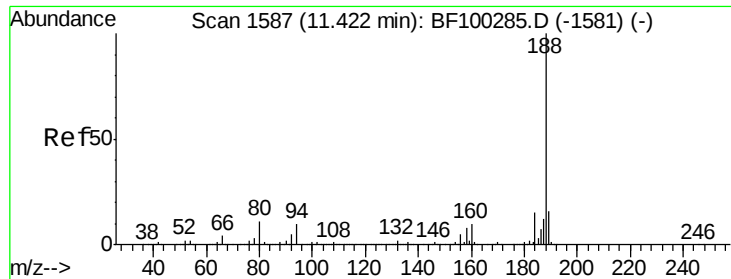
Tot Ion:163 Resp: 68064
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.0 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.76 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion:165 Resp: 17402
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

Instrument :

BNA_F

ClientSampleId :

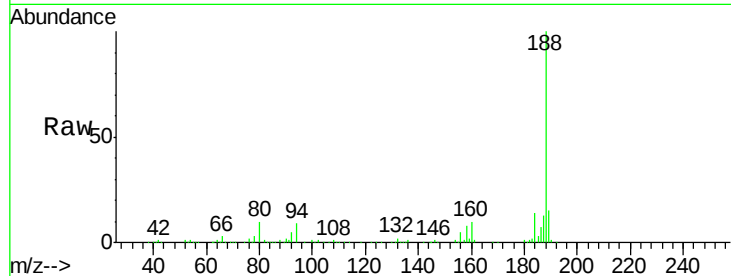
Tot Ion:188 Resp: 232997

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

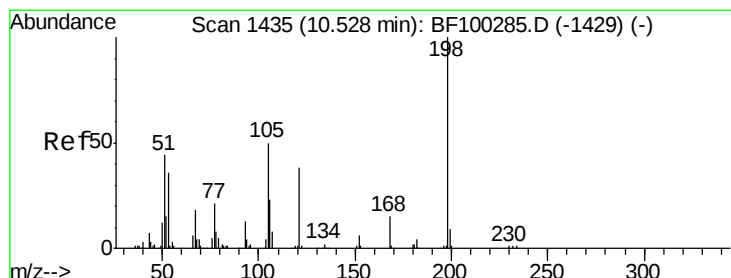
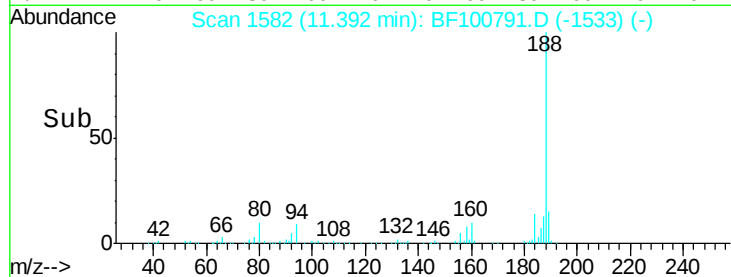
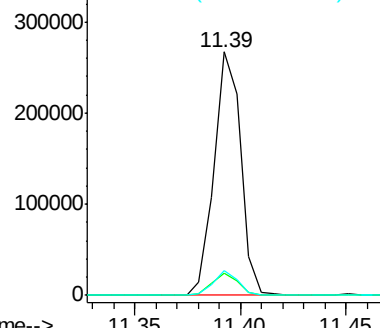
80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.69 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

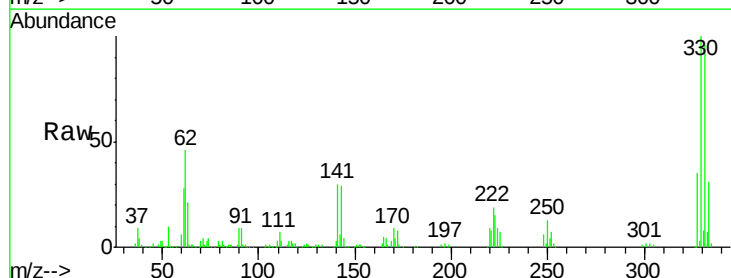
Tgt Ion:198 Resp: 175

Ion Ratio Lower Upper

198 100

51 174.5 37.7 77.7#

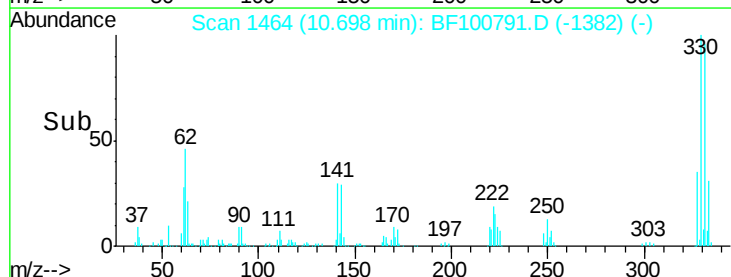
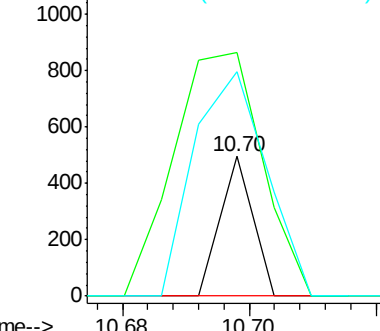
105 160.6 36.3 76.3#

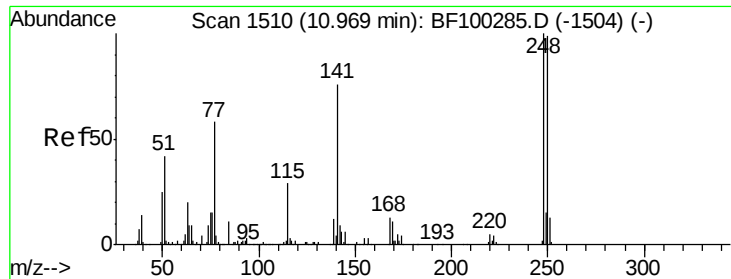


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

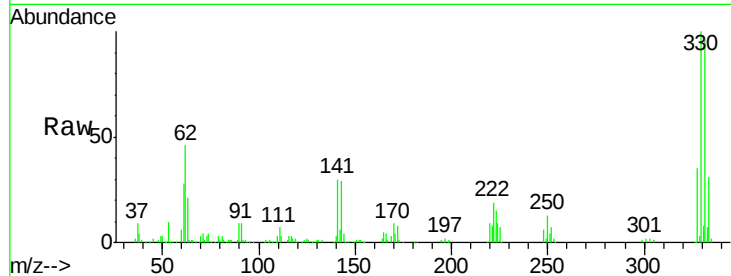




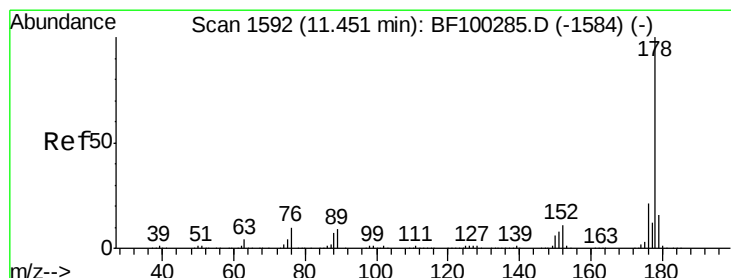
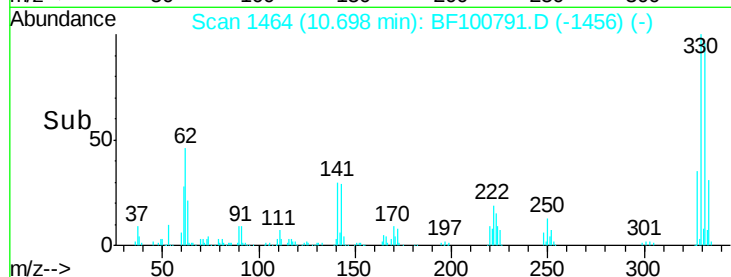
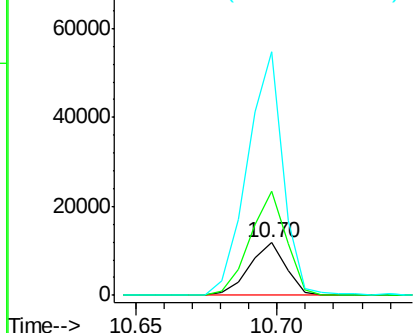
#66
4-Bromophenyl-phenylether
Concen: 4.21 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10523
Ion Ratio Lower Upper
248 100
250 198.2 76.9 115.3#
141 463.5 74.4 111.6#

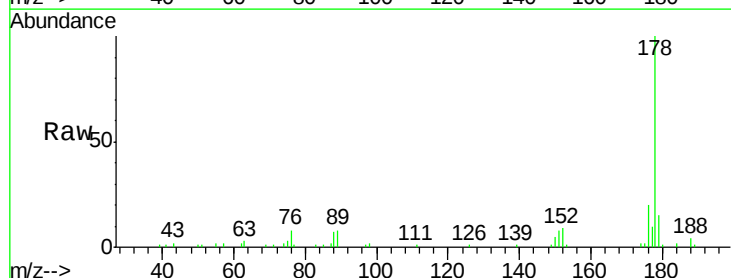


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

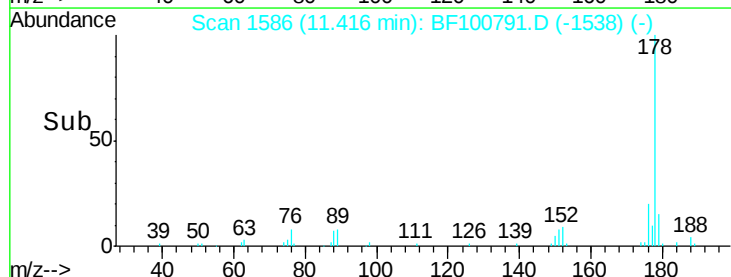
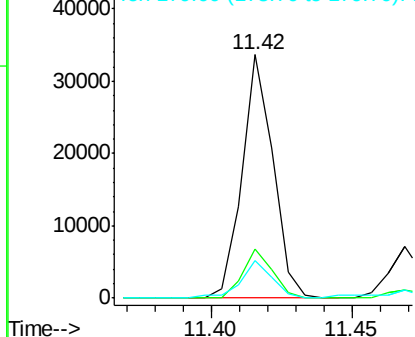


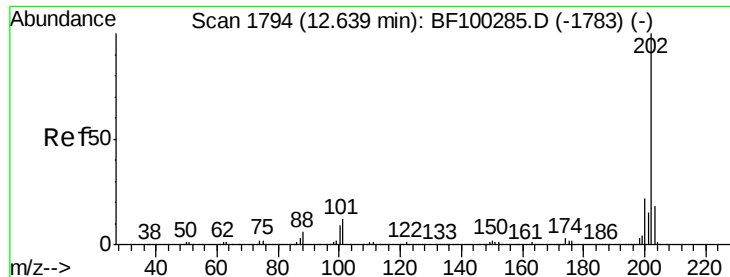
#70
Phenanthrene
Concen: 2.08 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion:178 Resp: 25547
Ion Ratio Lower Upper
178 100
176 19.9 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





#74

Fluoranthene

Concen: 3.48 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

Instrument :

BNA_F

ClientSampleId :

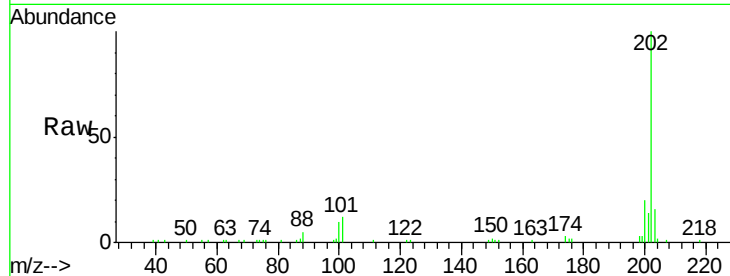
Tot Ion:202 Resp: 45186

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

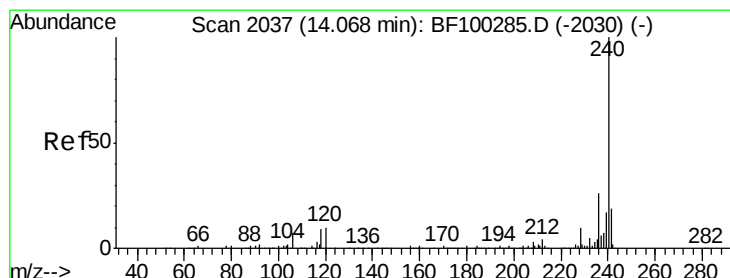
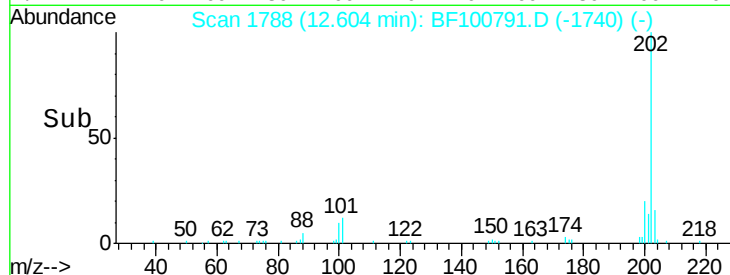
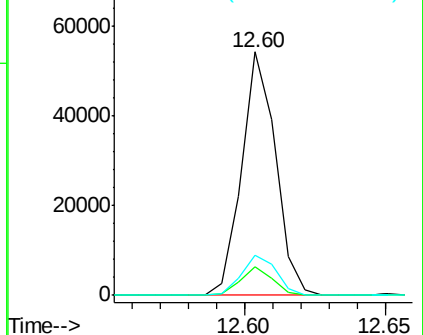
203 16.3 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

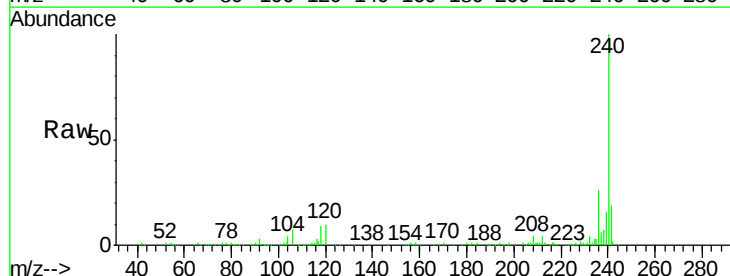
Tgt Ion:240 Resp: 159729

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

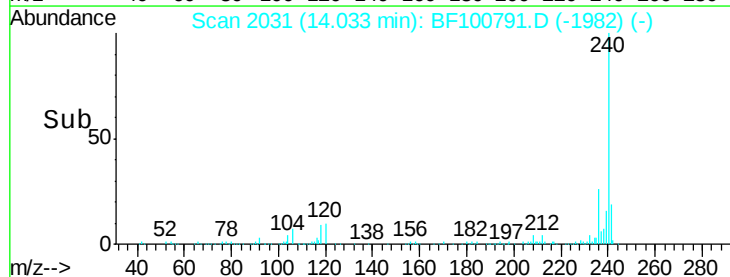
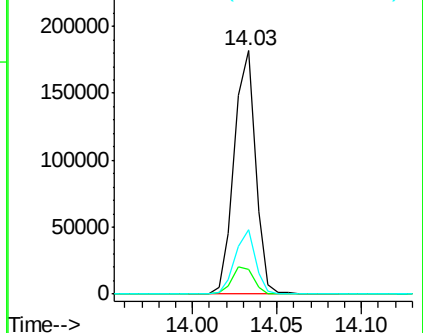
236 26.3 20.7 31.1

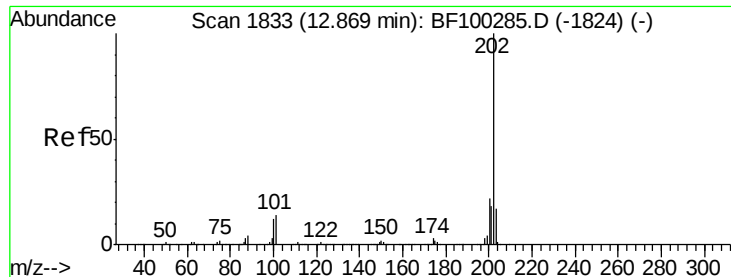


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.41 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

Instrument :

BNA_F

ClientSampleId :

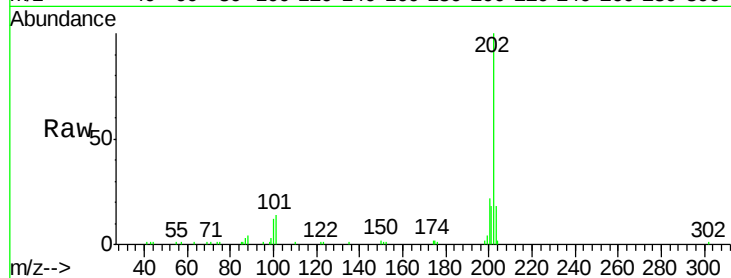
Tot Ion:202 Resp: 38813

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

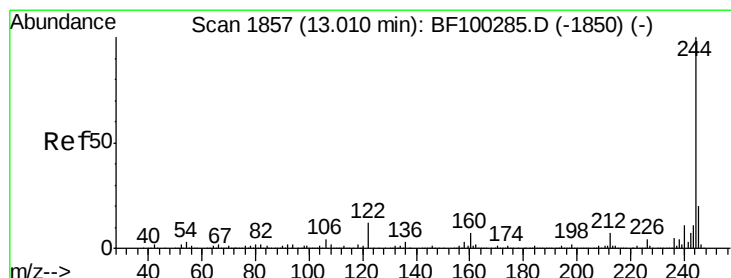
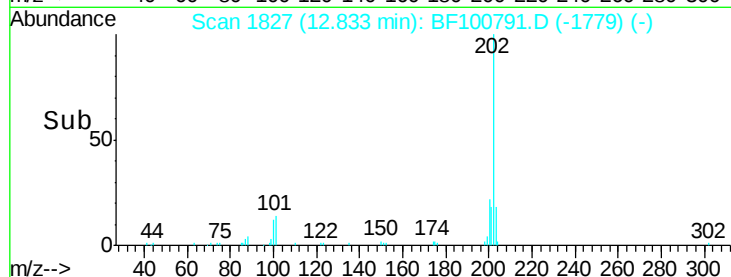
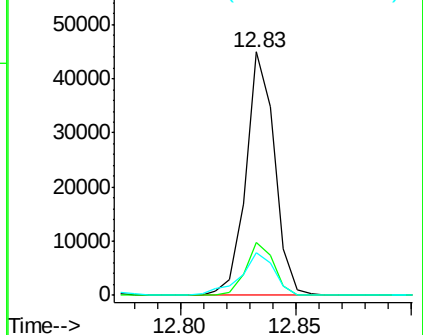
203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 82.00 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

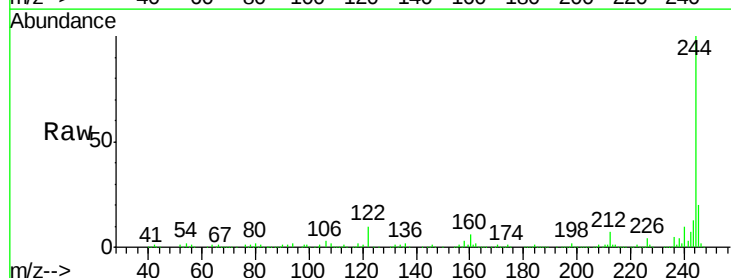
Tgt Ion:244 Resp: 570023

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

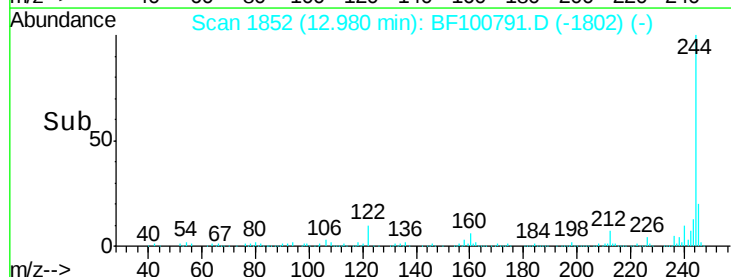
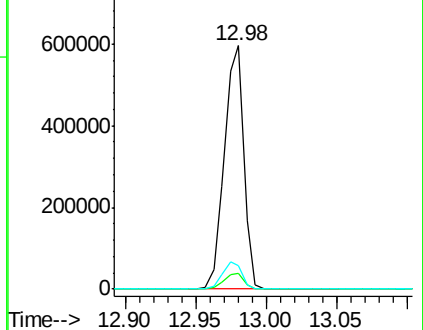
122 9.7 11.0 16.4#

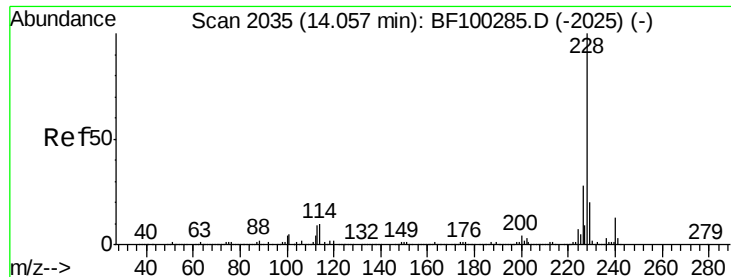


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.24 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

Instrument :

BNA_F

ClientSampleId :

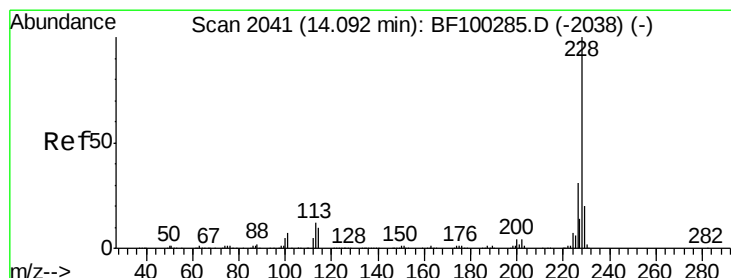
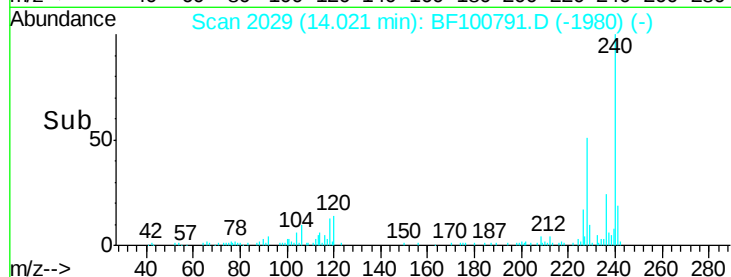
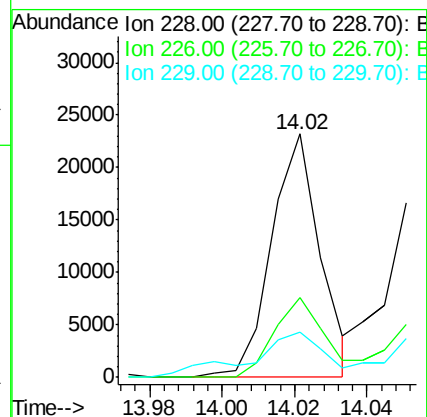
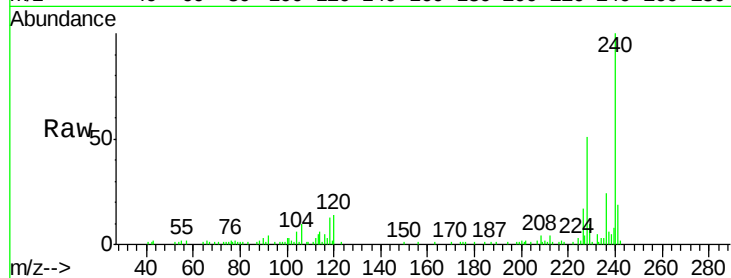
Tot Ion:228 Resp: 21583

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

229 18.8 15.8 23.6



#82

Chrysene

Concen: 2.33 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100791.D

Acq: 21 Nov 2017 20:07

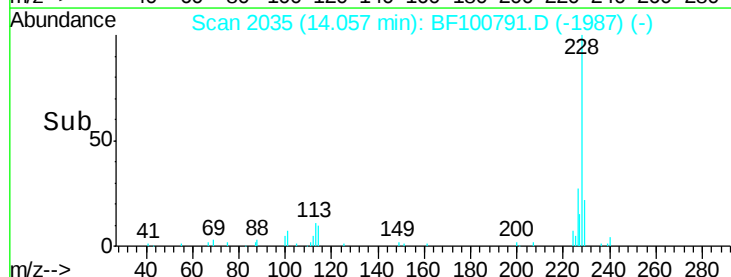
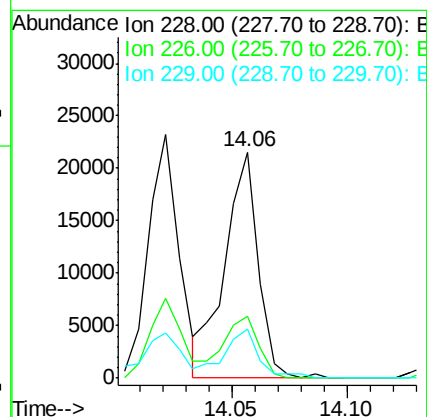
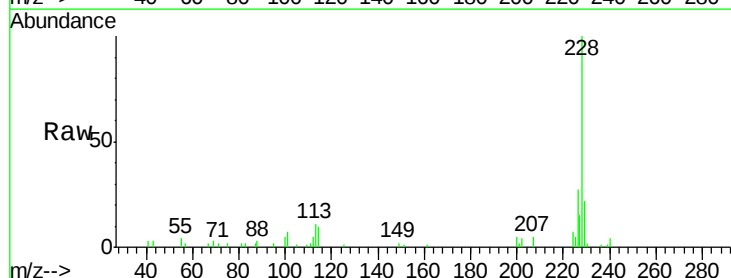
Tgt Ion:228 Resp: 21673

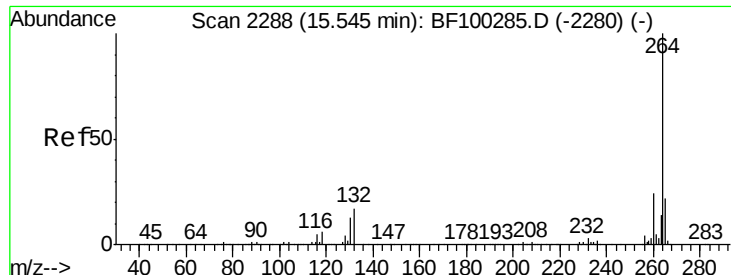
Ion Ratio Lower Upper

228 100

226 27.5 25.0 37.6

229 22.0 16.2 24.4

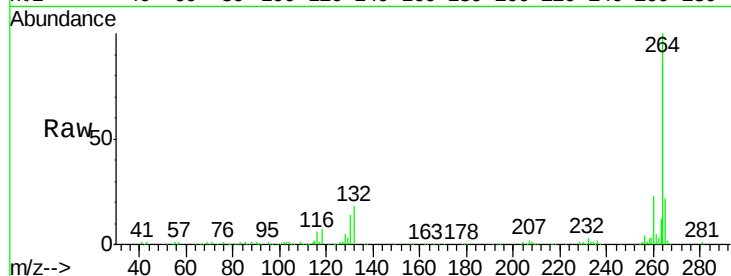




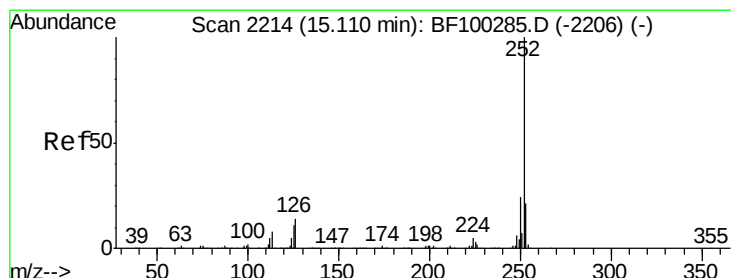
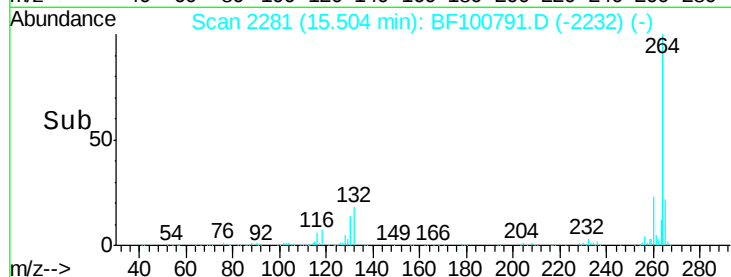
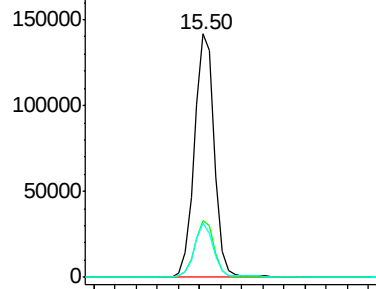
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 184658
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.0 17.5 26.3

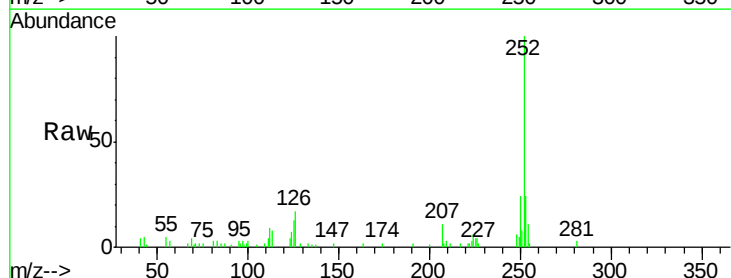


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

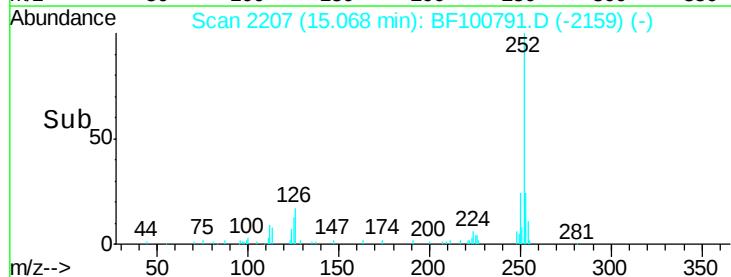
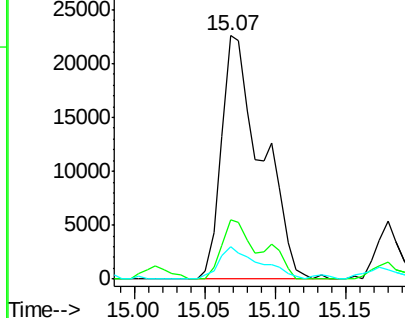


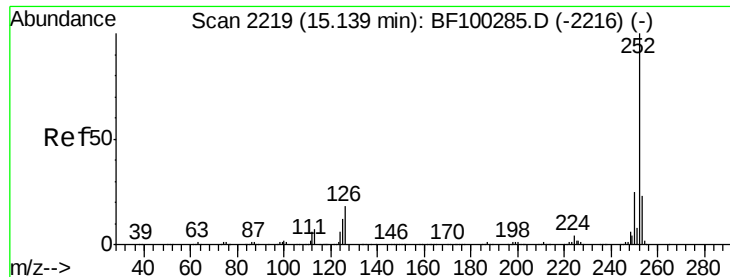
#87
Benzo(b)fluoranthene
Concen: 4.08 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion:252 Resp: 44671
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 13.4 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

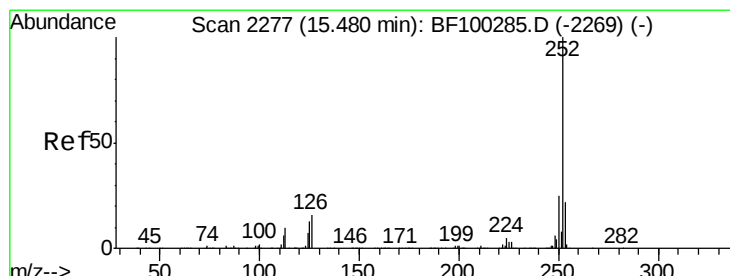
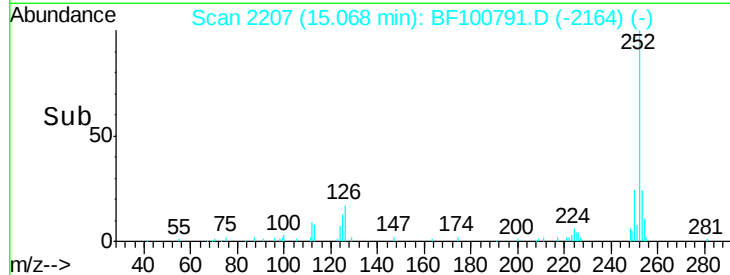
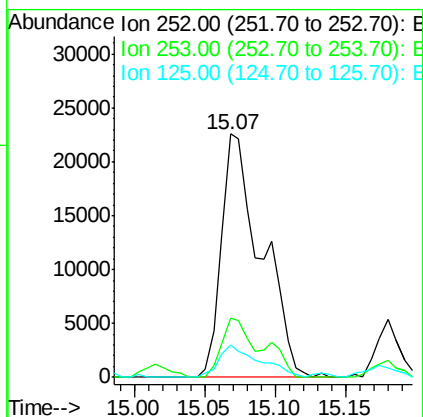
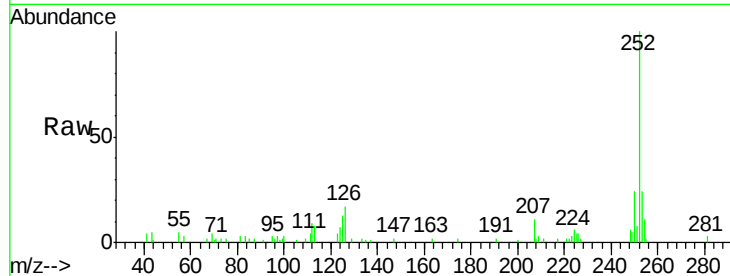




#88
Benzo(k)fluoranthene
Concen: 4.32 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44671
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 13.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.39 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100791.D
Acq: 21 Nov 2017 20:07

Tgt Ion:252 Resp: 23191
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.6 9.8 14.6

