

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100385.D
 Acq On : 10 Nov 2017 12:39
 Operator : SJ/JU
 Sample : I6384-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 15:46:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	186141	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	751331	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	338008	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	547672	20.00	ng	0.00
75) Chrysene-d12	14.06	240	429930	20.00	ng	0.00
86) Perylene-d12	15.54	264	412438	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1487125	128.07	ng	0.01
7) Phenol-d6	6.53	99	1849502	129.16	ng	0.00
23) Nitrobenzene-d5	7.47	82	1208136	106.31	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	434585	126.18	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1835910	82.71	ng	0.00
78) Terphenyl-d14	13.02	244	1448924	77.44	ng	0.00

Target Compounds

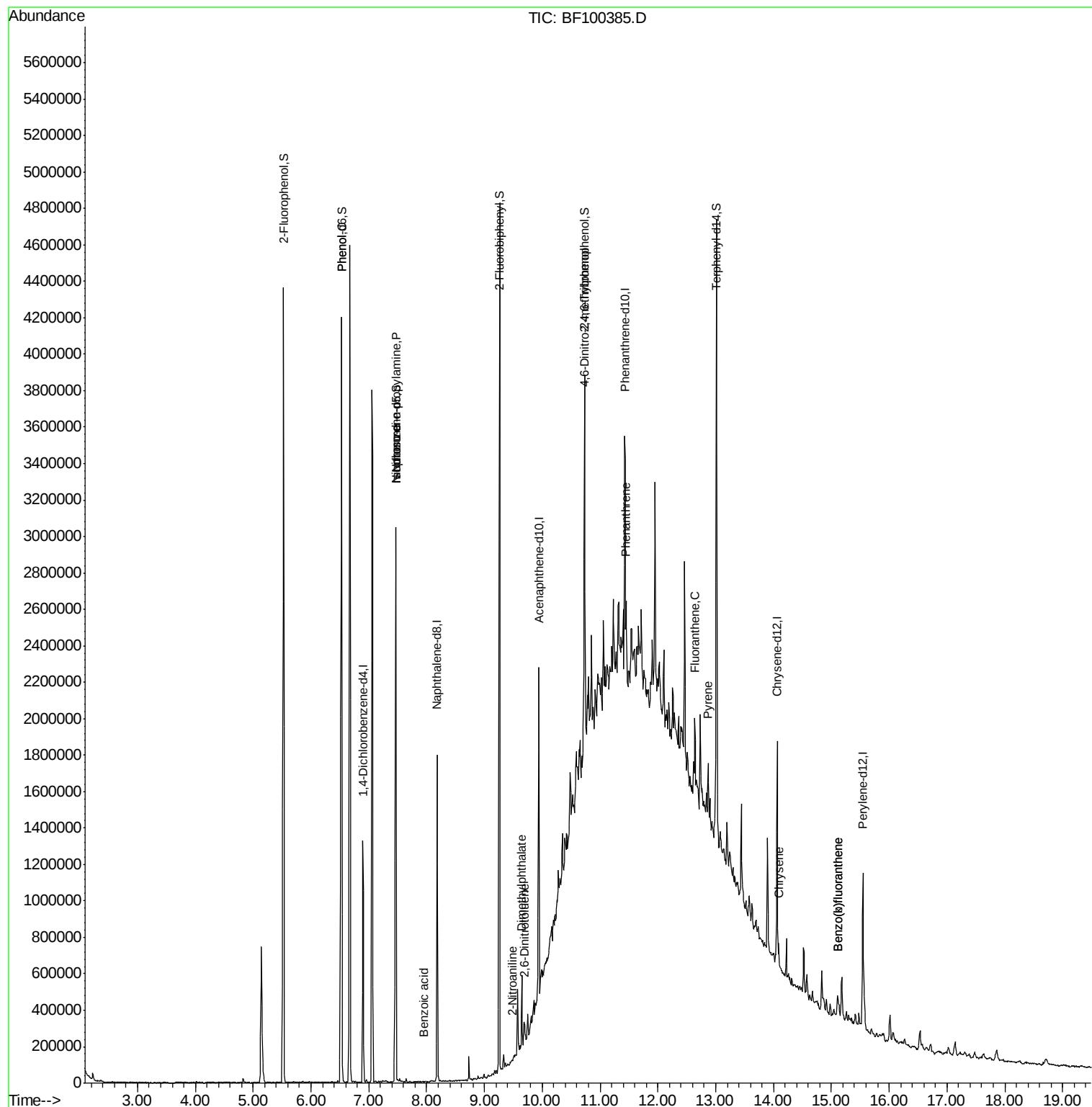
						Qvalue
10) Phenol	6.54	94	75645	5.032	ng	94
19) n-Nitroso-di-n-propylamine	7.47	70	162338	16.347	ng	# 80
25) Isophorone	7.47	82	1205394	50.475	ng	# 64
32) Benzoic acid	7.95	122	386	9.409	ng	# 1
47) 2-Nitroaniline	9.48	65	429	2.848	ng	# 46
49) Dimethylphthalate	9.65	163	131208	5.084	ng	# 98
50) 2,6-Dinitrotoluene	9.68	165	12087	2.366	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.72	198	1215	8.931	ng	# 1
70) Phenanthrene	11.45	178	169265	5.870	ng	# 96
74) Fluoranthene	12.64	202	163265	5.342	ng	97
77) Pyrene	12.87	202	135948	4.436	ng	98
82) Chrysene	14.09	228	50296	2.006	ng	95
87) Benzo(b)fluoranthene	15.10	252	77304	3.164	ng	# 87
88) Benzo(k)fluoranthene	15.10	252	77304	3.348	ng	# 90

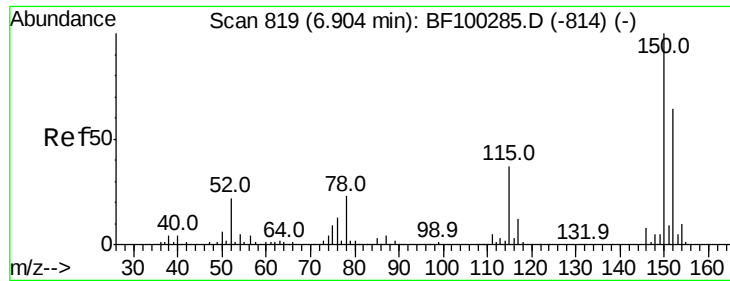
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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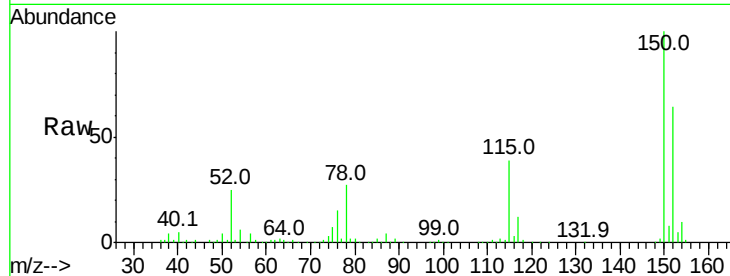


#1

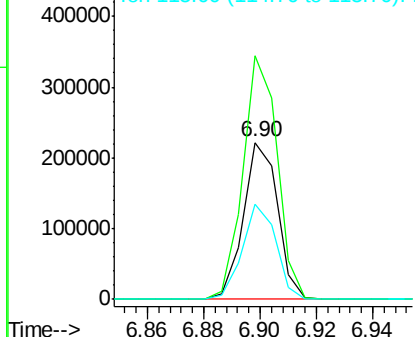
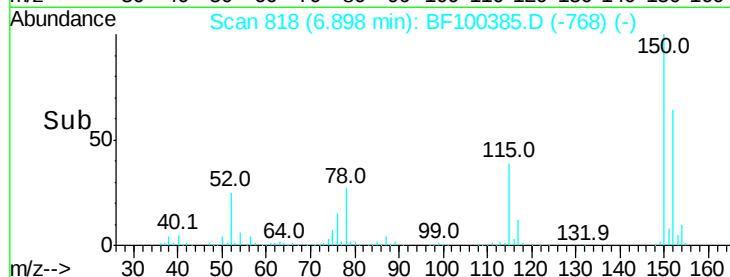
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF100385.D
 Acq: 10 Nov 2017 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 186141
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.6 186.8
 115 61.2 50.1 75.1



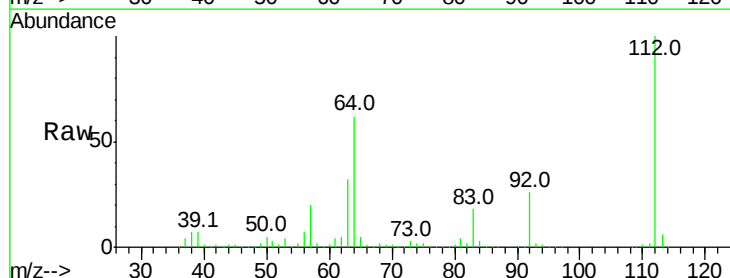
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



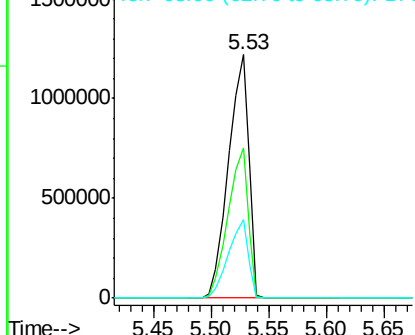
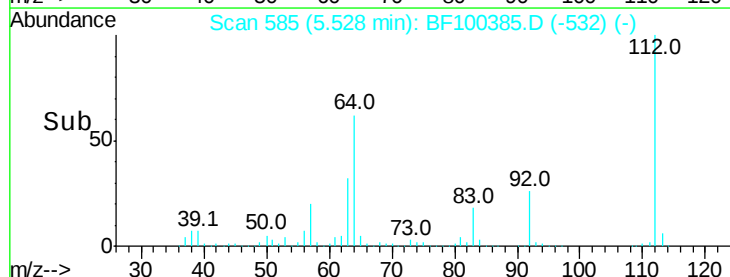
#5

2-Fluorophenol
 Concen: 128.067 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF100385.D
 Acq: 10 Nov 2017 12:39

Tgt Ion:112 Resp: 1487125
 Ion Ratio Lower Upper
 112 100
 64 61.7 47.9 71.9
 63 32.0 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: 129.162 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Instrument :

BNA_F

ClientSampleId :

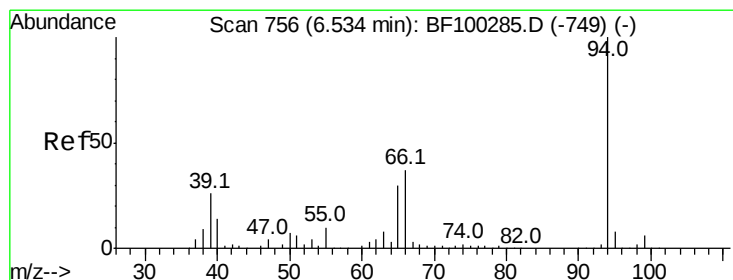
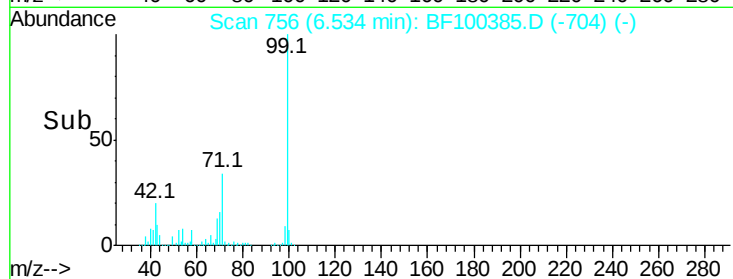
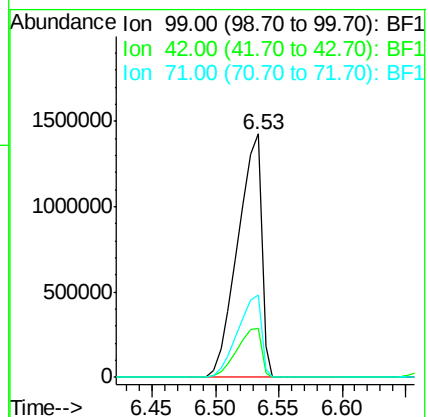
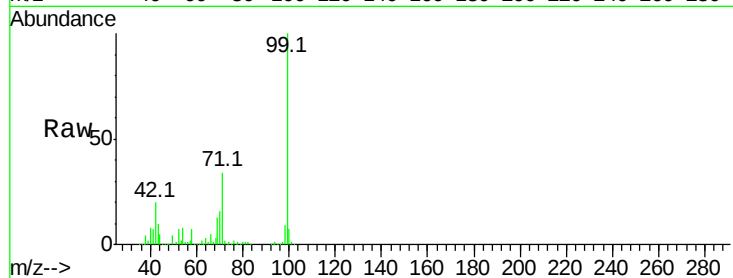
Tot Ion: 99 Resp: 1849502

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 33.6 25.4 38.0



#10

Phenol

Concen: 5.032 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

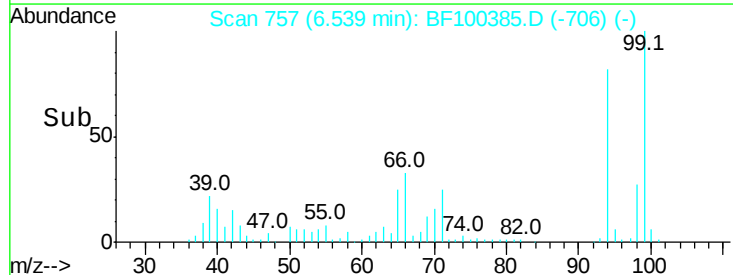
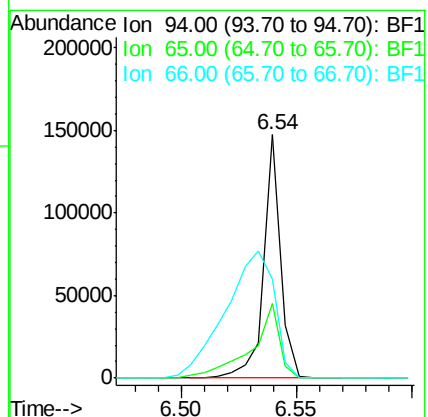
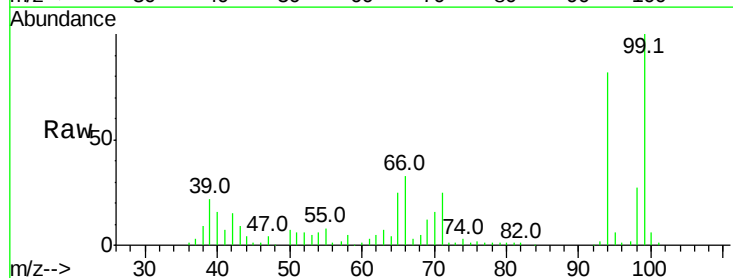
Tgt Ion: 94 Resp: 75645

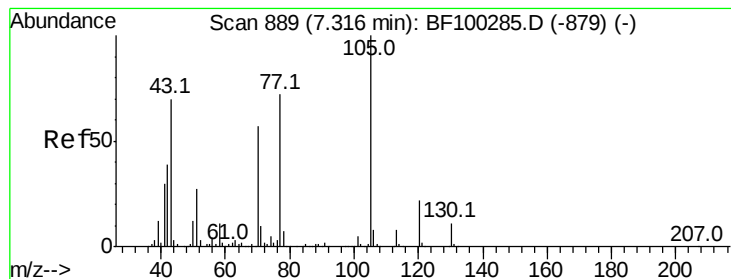
Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 40.4 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 16.347 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Instrument :

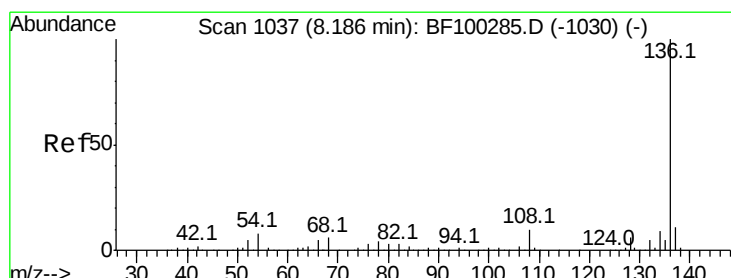
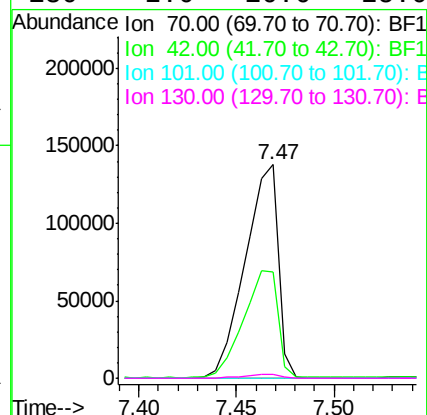
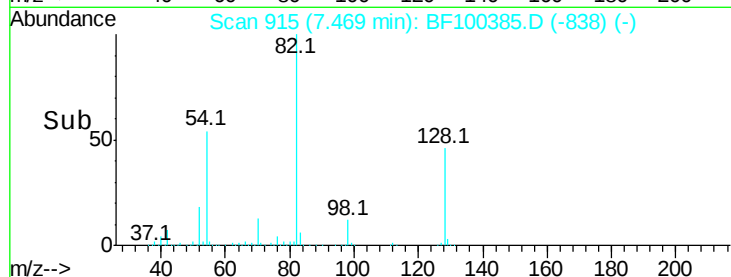
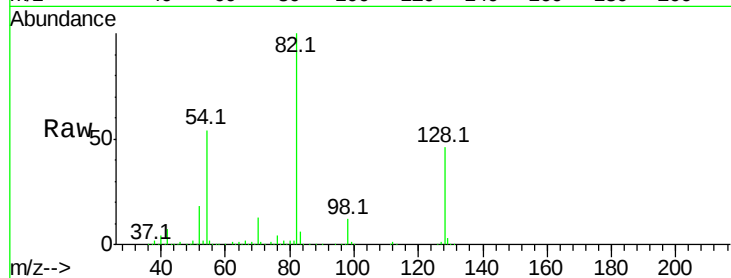
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 162338

Ion Ratio Lower Upper

70	100		
42	50.0	47.5	71.3
101	0.0	7.4	11.2
130	2.0	16.6	25.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

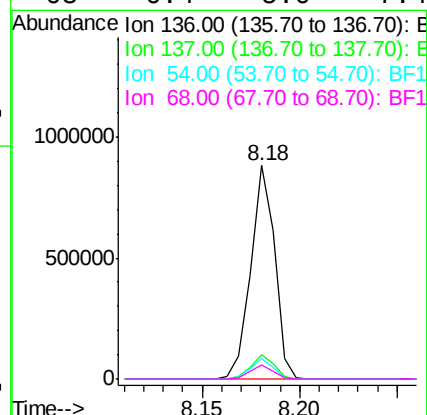
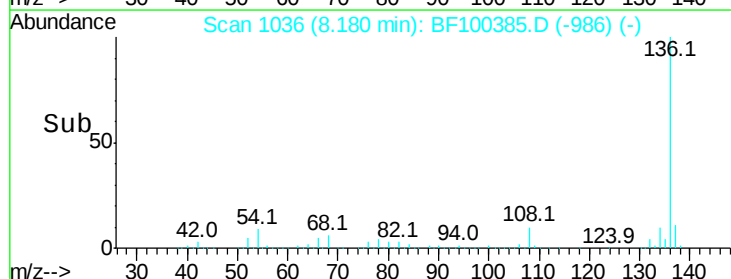
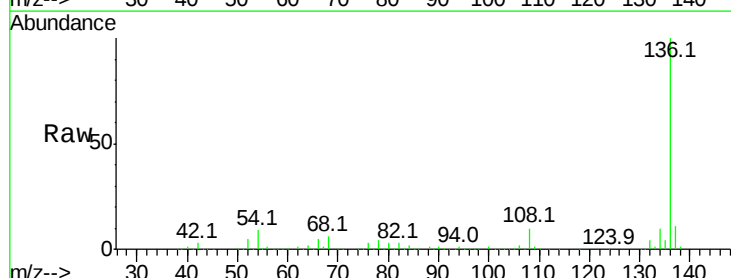
Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Tgt Ion: 136 Resp: 751331

Ion Ratio Lower Upper

136	100		
137	11.2	8.9	13.3
54	9.4	6.6	9.8
68	6.4	5.0	7.4

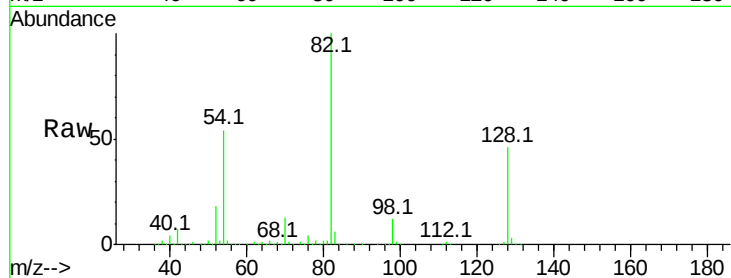




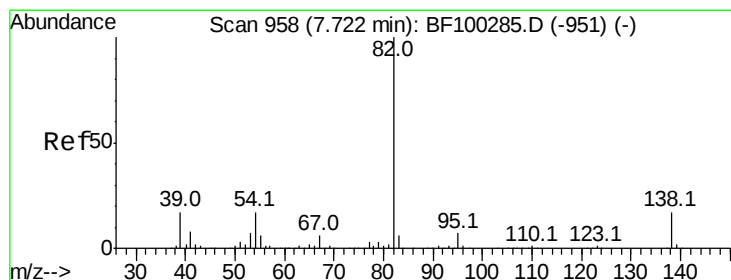
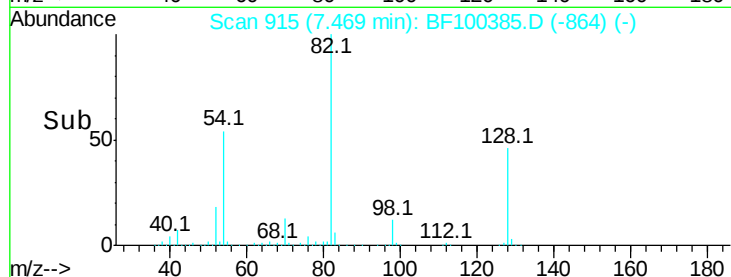
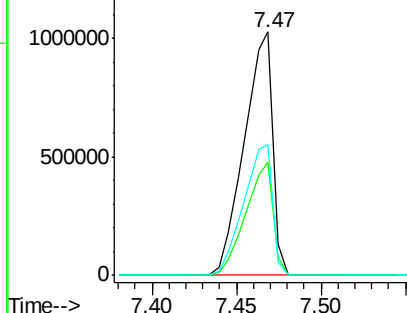
#23
Nitrobenzene-d5
Concen: 106.310 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1208136
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 53.6 41.4 62.2

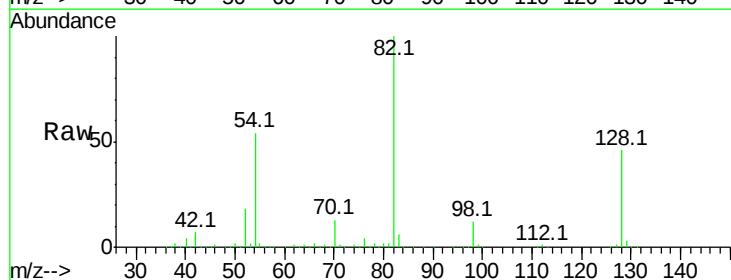


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

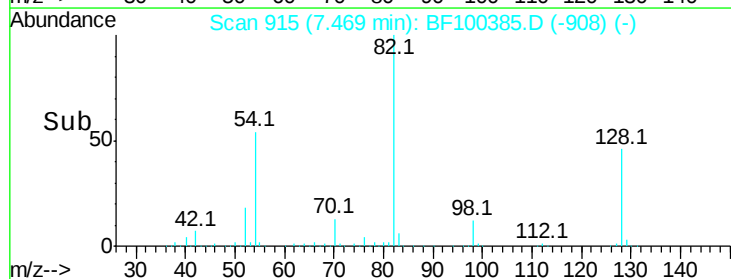
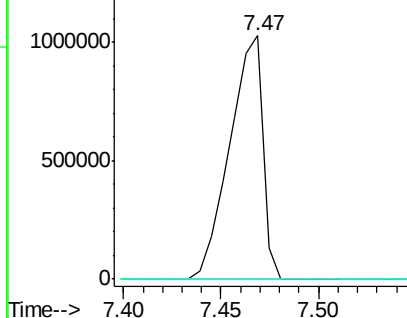


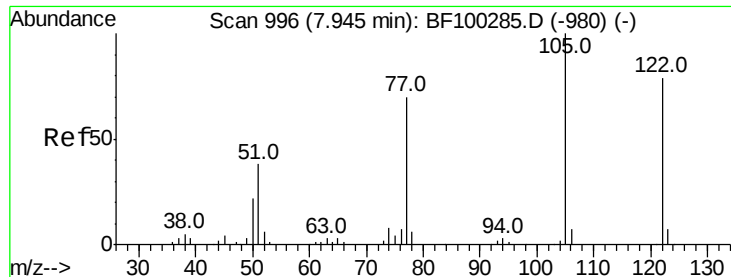
#25
Isophorone
Concen: 50.475 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.26 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Tgt Ion: 82 Resp: 1205394
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





#32

Benzoic acid

Concen: 9.409 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Instrument :

BNA_F

ClientSampleId :

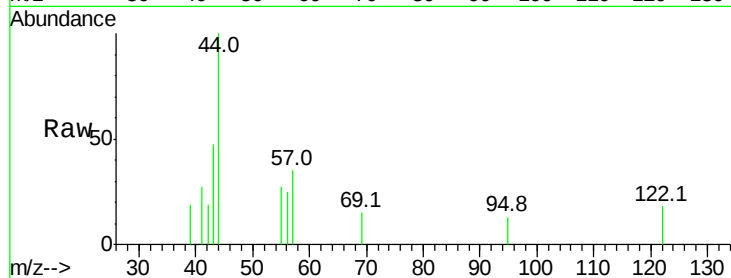
Tot Ion:122 Resp: 386

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

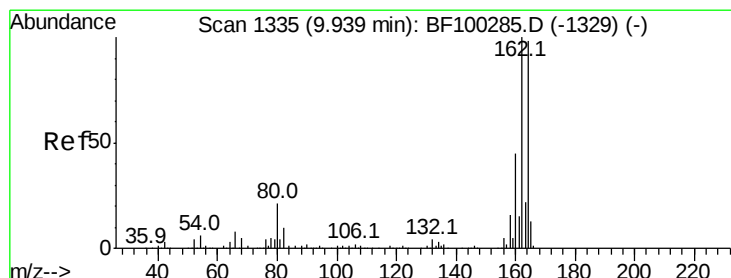
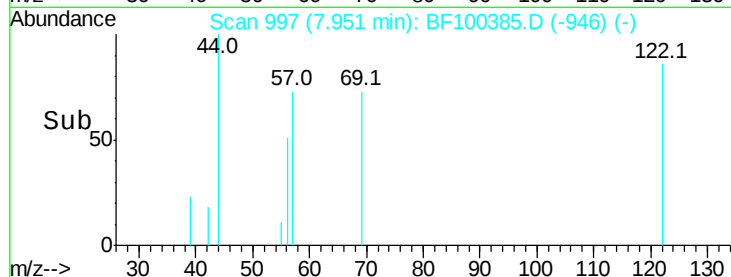
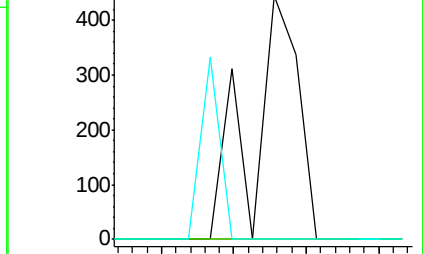
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

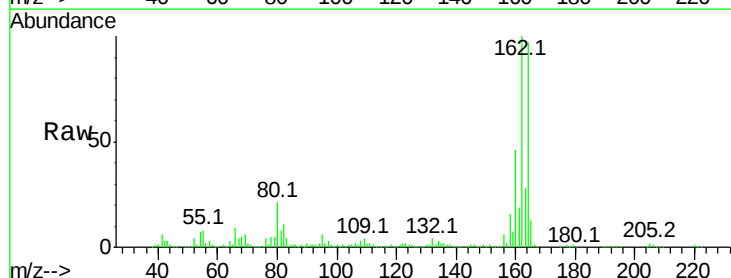
Tgt Ion:164 Resp: 338008

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

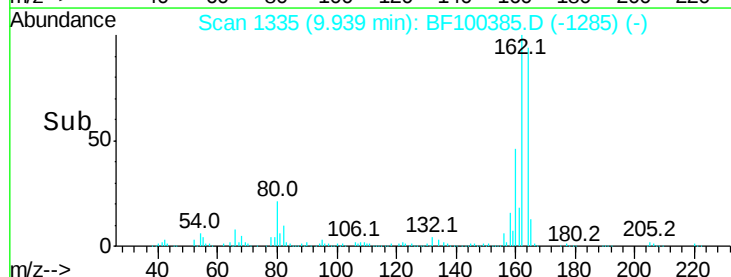
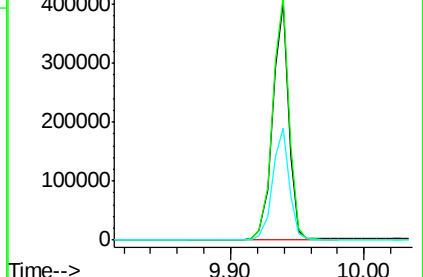
160 47.2 38.3 57.5

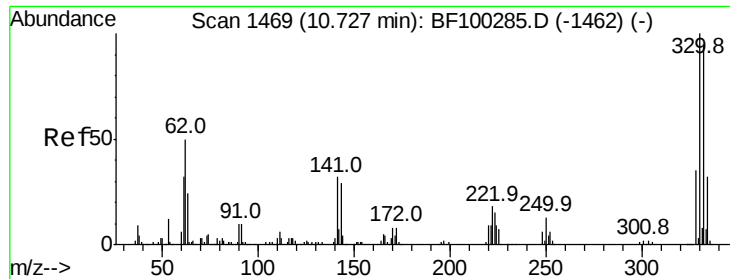


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

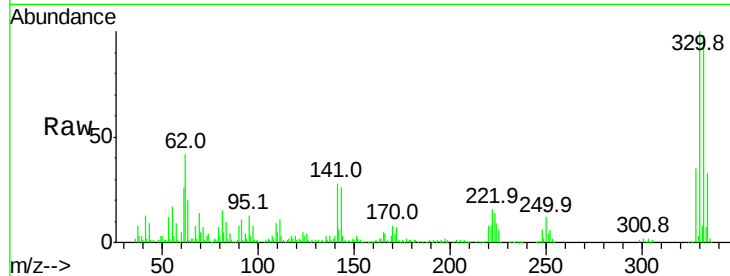




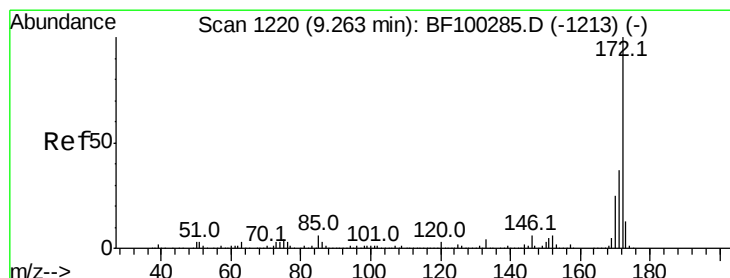
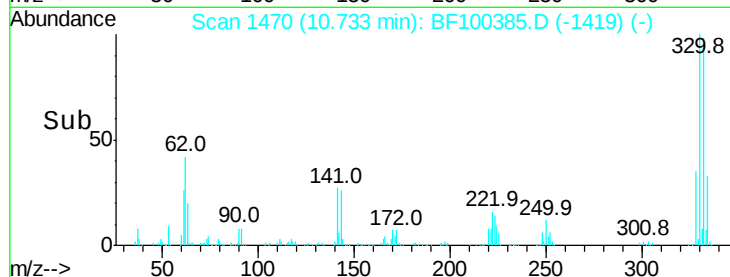
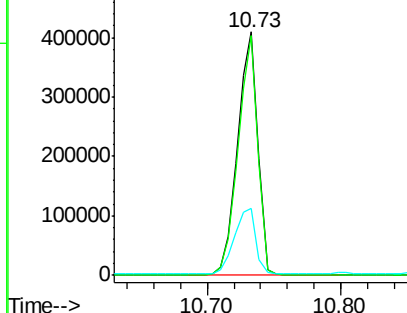
#41
 2,4,6-Tribromophenol
 Concen: 126.175 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BF100385.D
 Acq: 10 Nov 2017 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 434585
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 28.8 29.9 44.9#

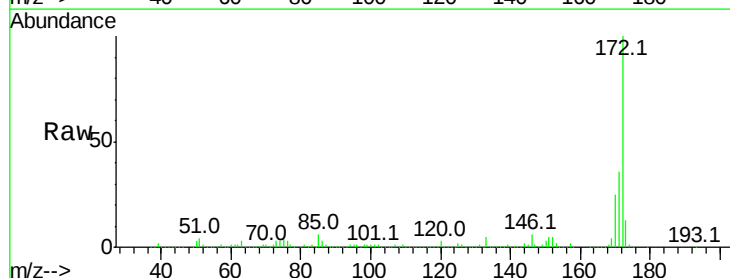


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

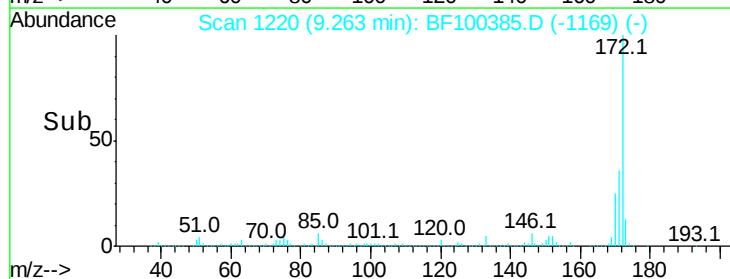
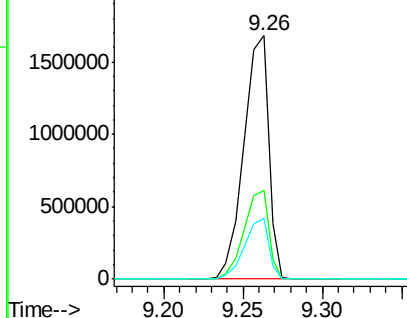


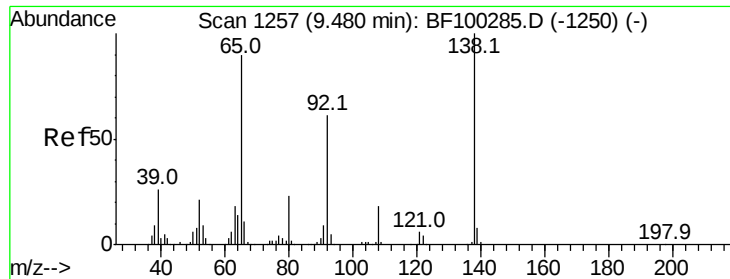
#44
 2-Fluorobiphenyl
 Concen: 82.707 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100385.D
 Acq: 10 Nov 2017 12:39

Tgt Ion:172 Resp: 1835910
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.7 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

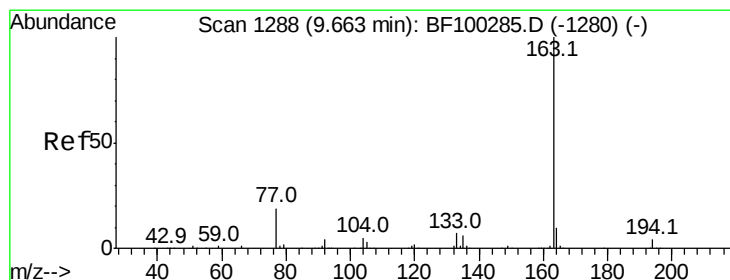
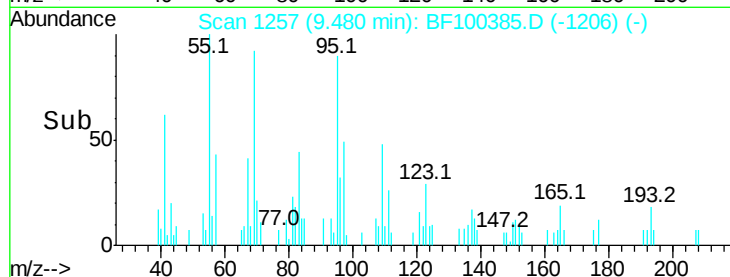
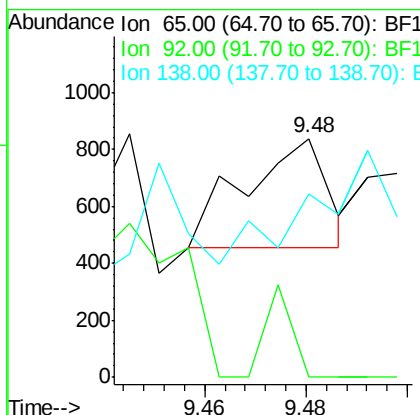
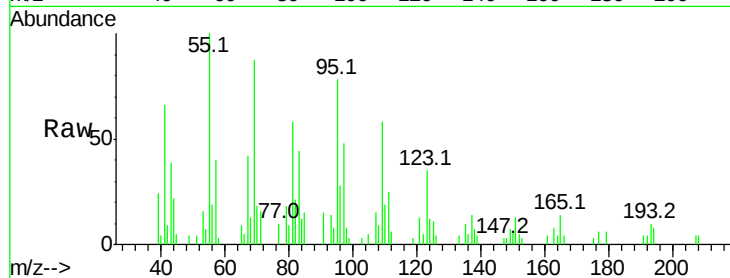




#47
2-Nitroaniline
Concen: 2.848 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

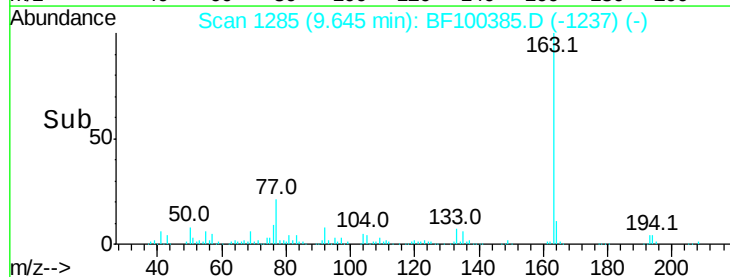
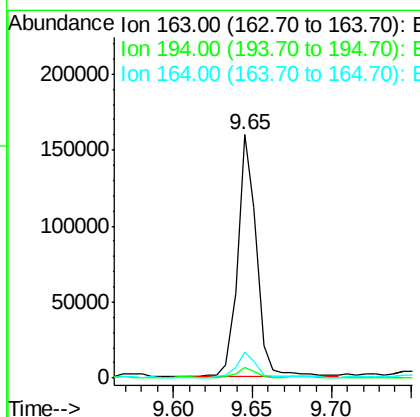
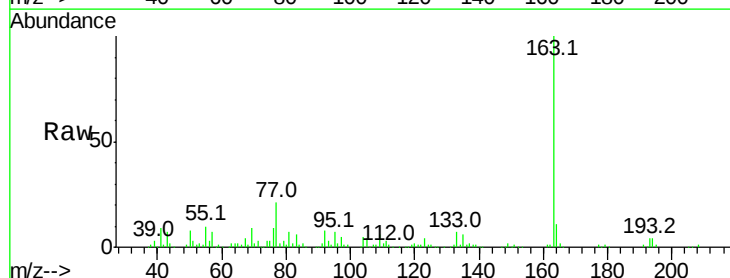
Instrument :
BNA_F
ClientSampleId :

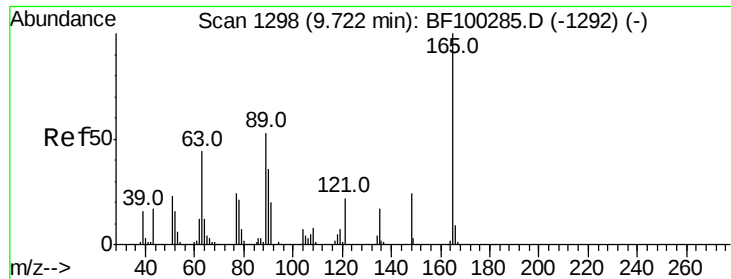
Tot Ion: 65 Resp: 429
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 77.1 91.2 136.8#



#49
Dimethylphthalate
Concen: 5.084 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Tgt Ion: 163 Resp: 131208
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 10.7 8.2 12.2

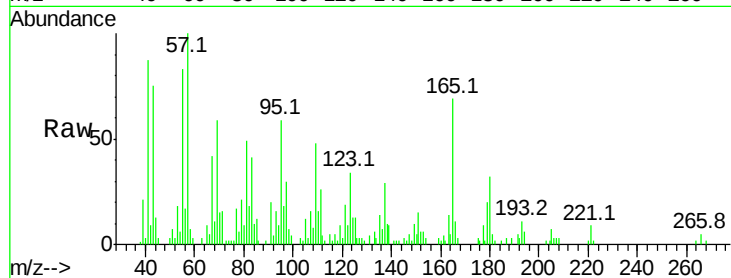




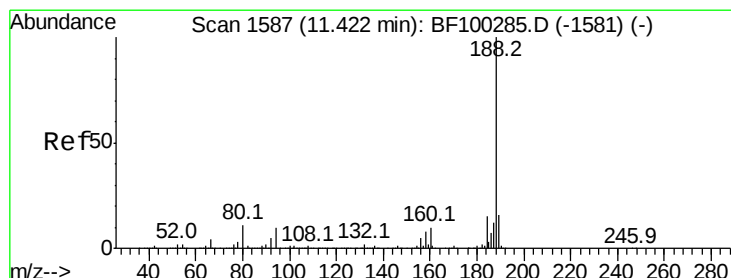
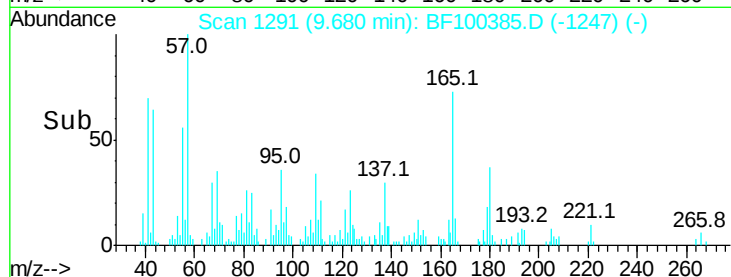
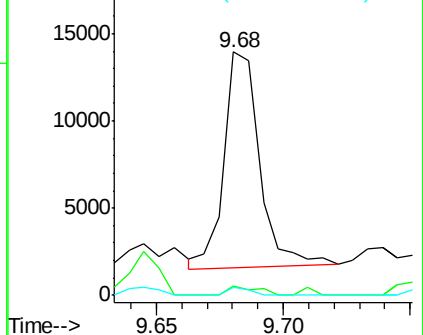
#50
2,6-Dinitrotoluene
Concen: 2.366 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.04 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 12087
Ion Ratio Lower Upper
165 100
63 3.7 44.7 67.1#
89 3.3 44.0 66.0#

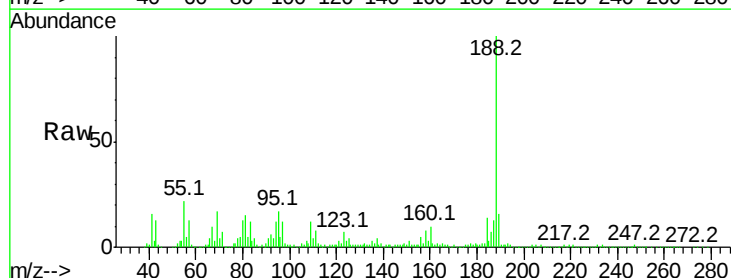


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

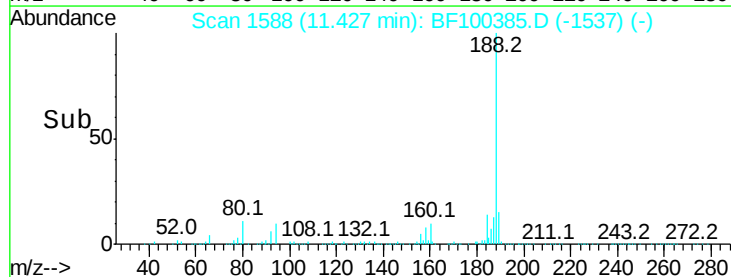
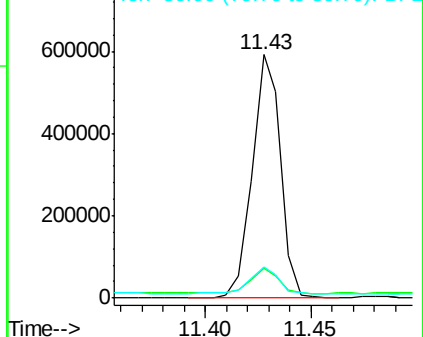


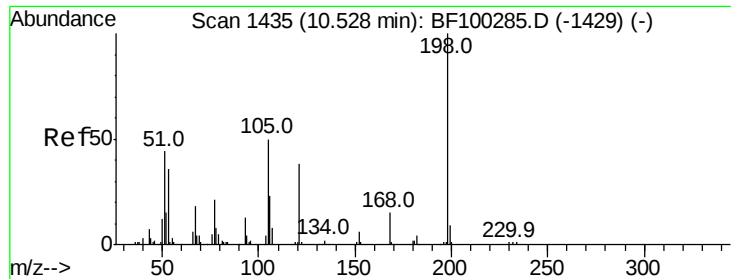
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Tgt Ion:188 Resp: 547672
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 12.7 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: 8.931 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Instrument :

BNA_F

ClientSampleId :

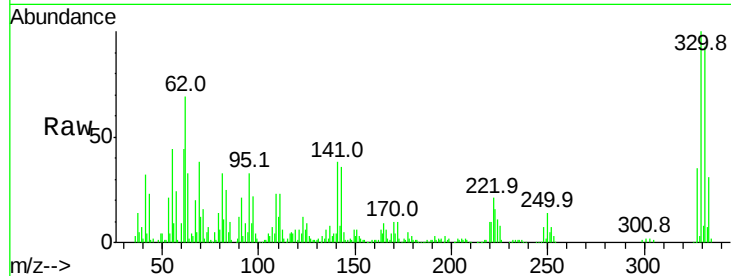
Tot Ion:198 Resp: 1215

Ion Ratio Lower Upper

198 100

51 236.6 37.7 77.7#

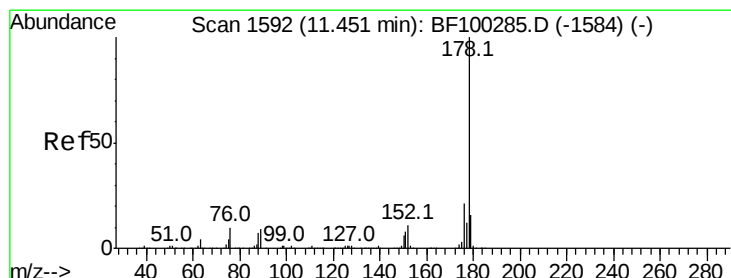
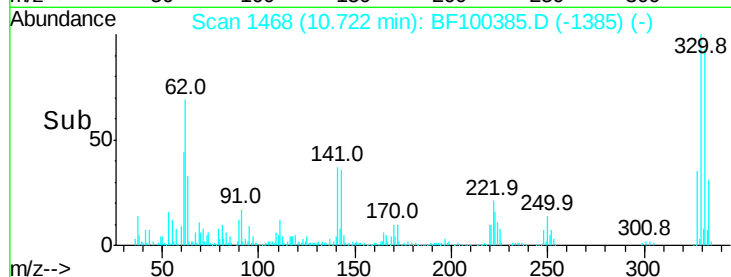
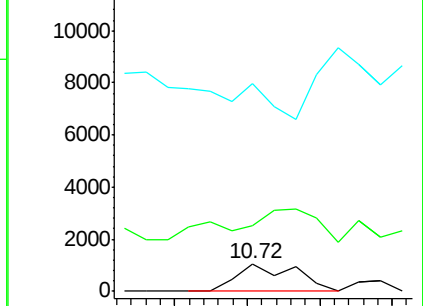
105 754.2 36.3 76.3#



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



#70

Phenanthrene

Concen: 5.870 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

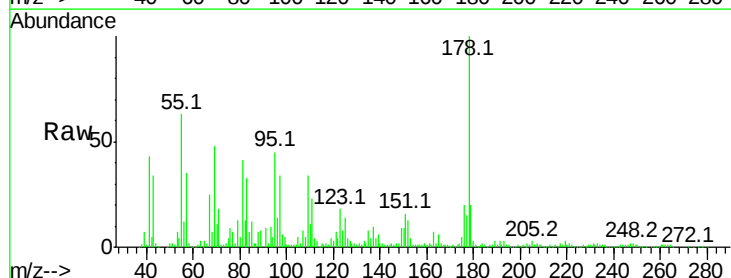
Tgt Ion:178 Resp: 169265

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

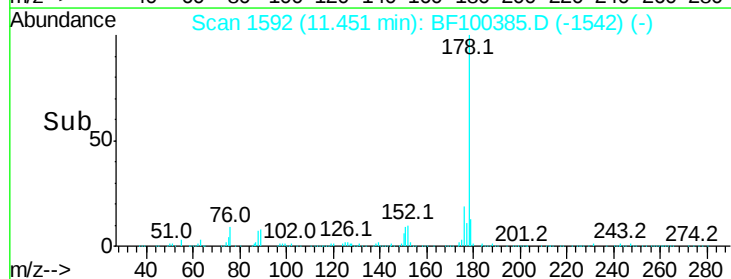
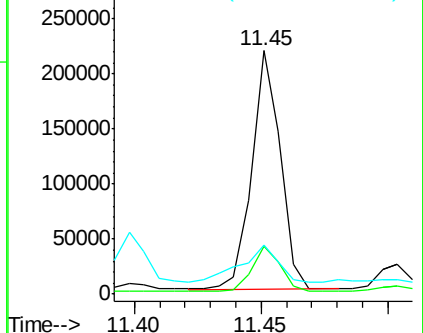
179 20.0 13.0 19.6#

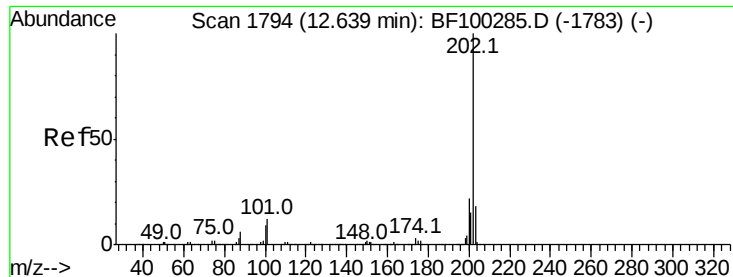


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.342 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF100385.D

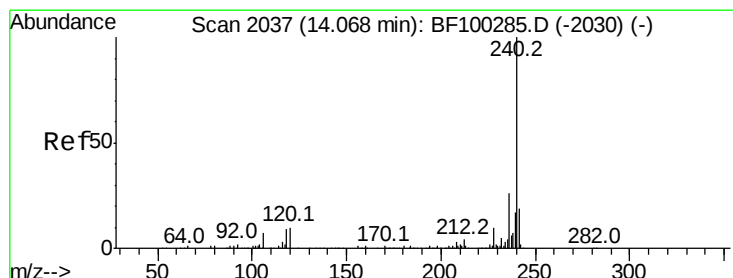
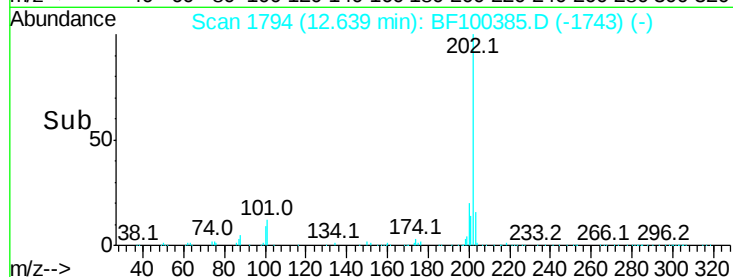
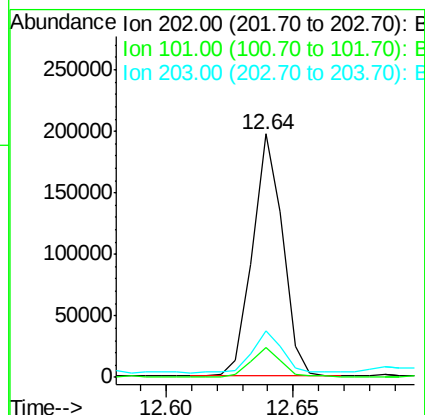
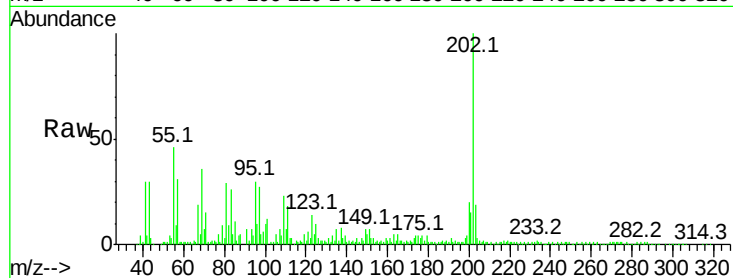
Acq: 10 Nov 2017 12:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	163265
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	19.0	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

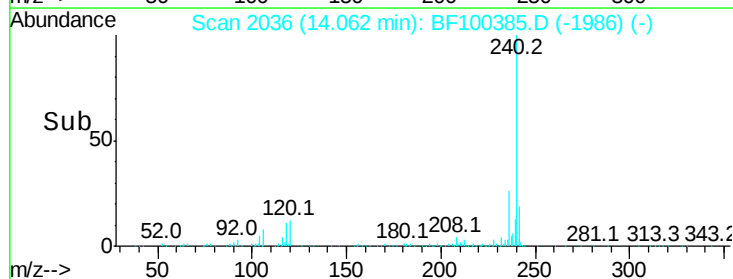
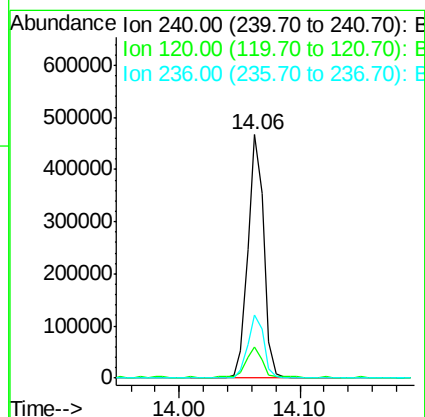
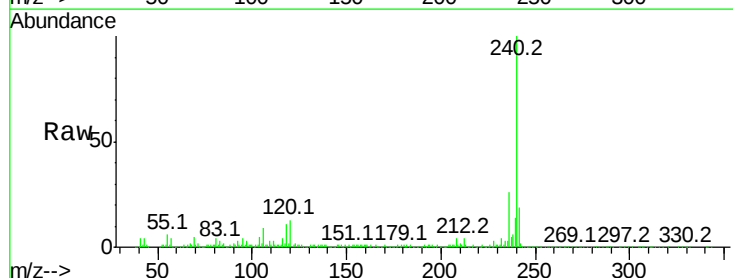
RT: 14.06 min Scan# 2036

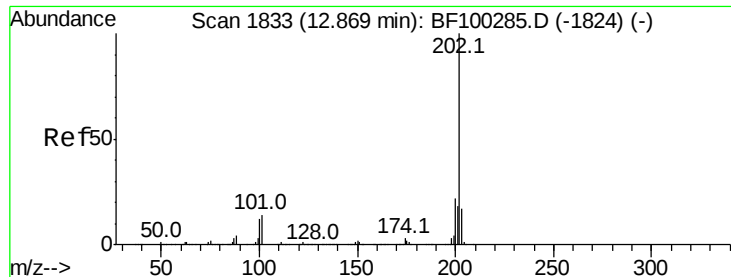
Delta R.T. -0.01 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Tgt Ion:	240	Resp:	429930
Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 4.436 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

Instrument :

BNA_F

ClientSampleId :

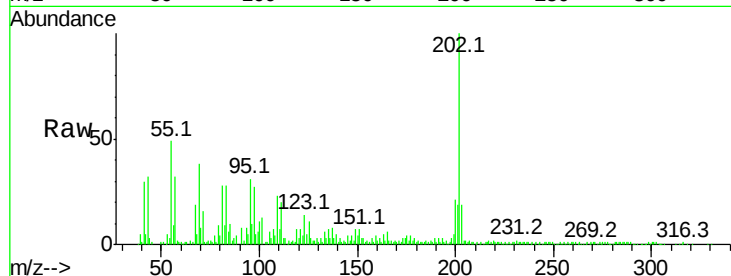
Tot Ion:202 Resp: 135948

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

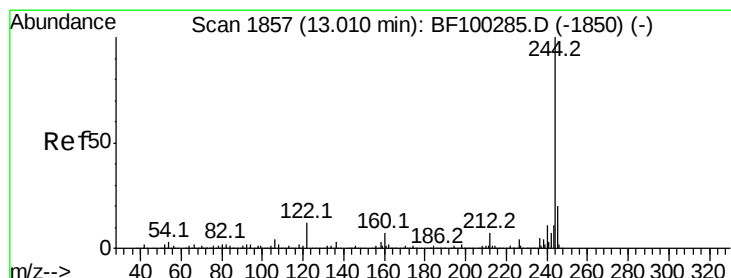
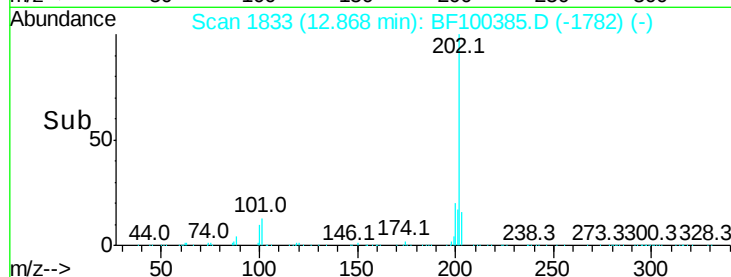
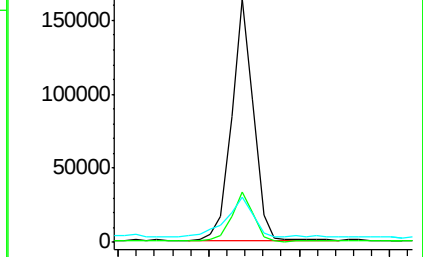
203 18.8 14.3 21.5



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: 77.436 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF100385.D

Acq: 10 Nov 2017 12:39

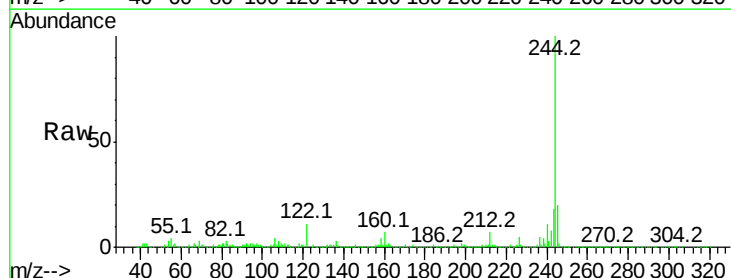
Tgt Ion:244 Resp: 1448924

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

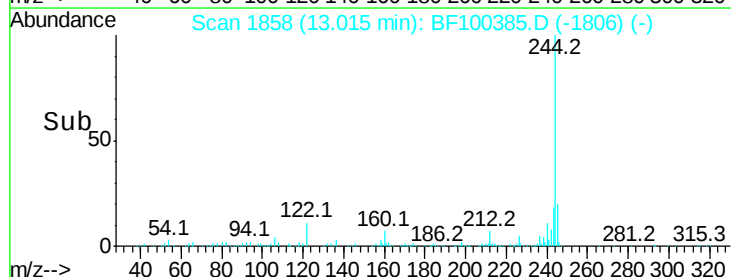
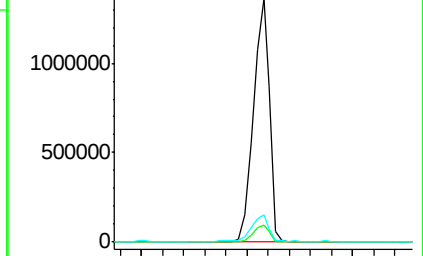
122 11.1 11.0 16.4

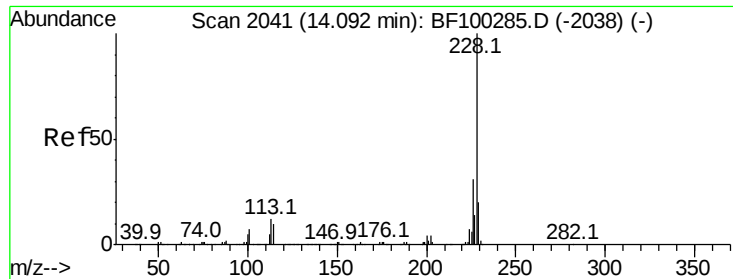


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

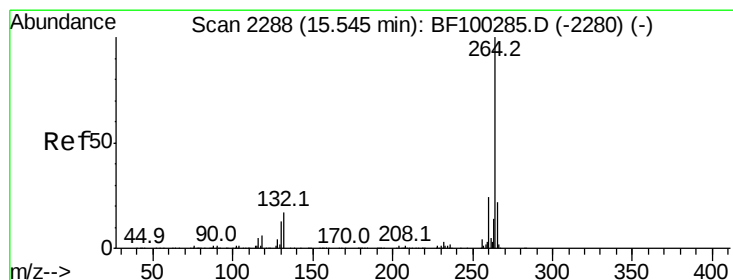
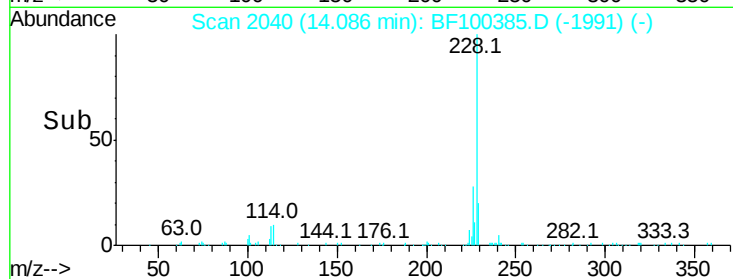
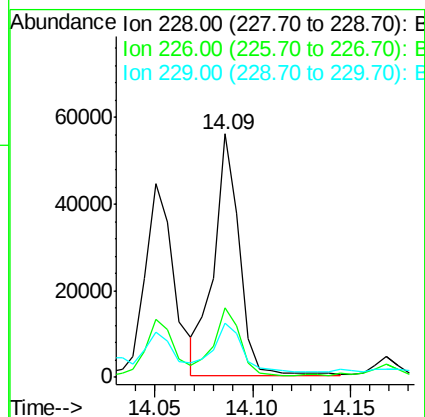
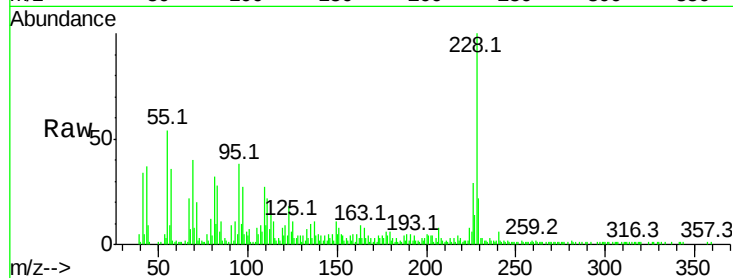




#82
Chrysene
Concen: 2.006 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

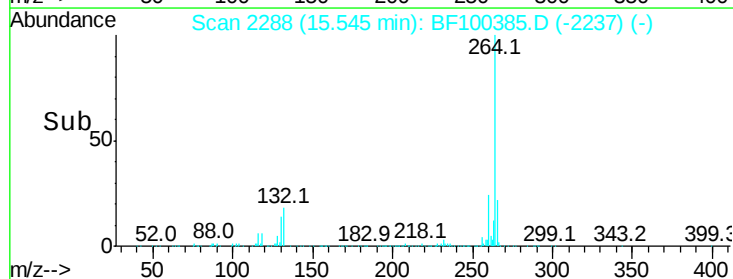
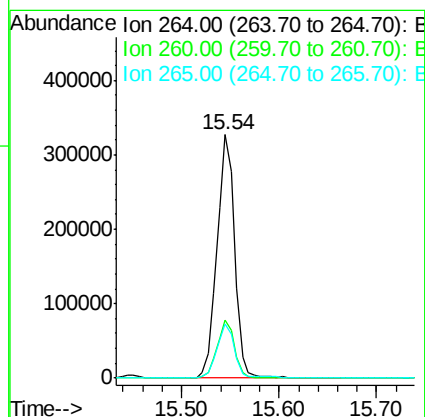
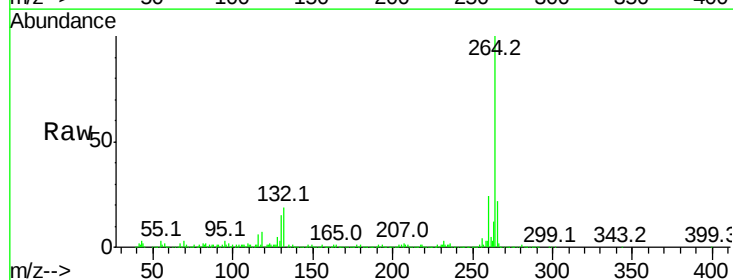
Instrument :
BNA_F
ClientSampleId :

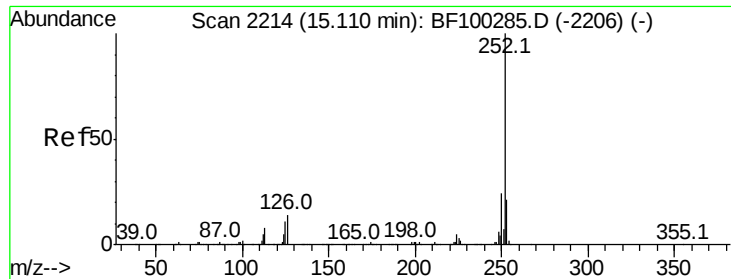
Tot Ion:228 Resp: 50296
Ion Ratio Lower Upper
228 100
226 28.5 25.0 37.6
229 22.3 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Tgt Ion:264 Resp: 412438
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.1 17.5 26.3

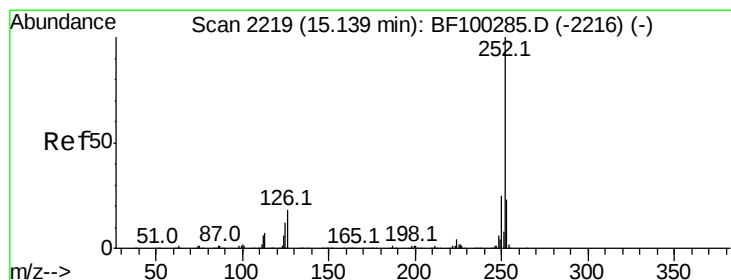
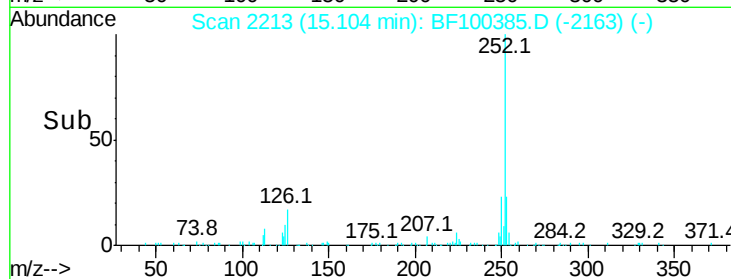
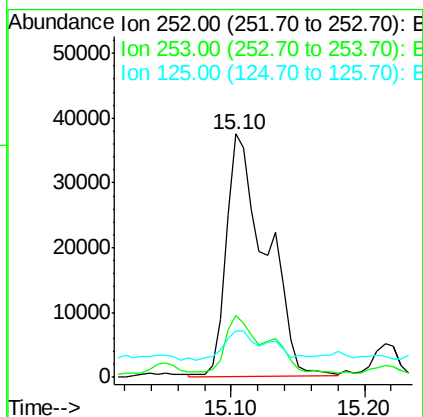
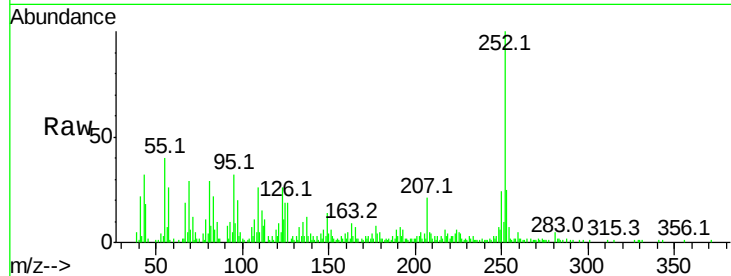




#87
Benzo(b)fluoranthene
Concen: 3.164 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 77304
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.6
125 19.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.348 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF100385.D
Acq: 10 Nov 2017 12:39

Tgt Ion:252 Resp: 77304
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 19.3 10.2 15.2#

