

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100353.D
 Acq On : 9 Nov 2017 21:02
 Operator : SJ/JU
 Sample : I6381-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:27:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198804	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	791966	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	366504	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	651417	20.00	ng	0.00
75) Chrysene-d12	14.06	240	400236	20.00	ng	0.00
86) Perylene-d12	15.54	264	417594	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1005946	81.11	ng	0.01
7) Phenol-d6	6.52	99	1260728	82.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	794020	66.28	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	310714	83.20	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1453120	60.37	ng	0.00
78) Terphenyl-d14	13.01	244	1088697	62.50	ng	0.00

Target Compounds

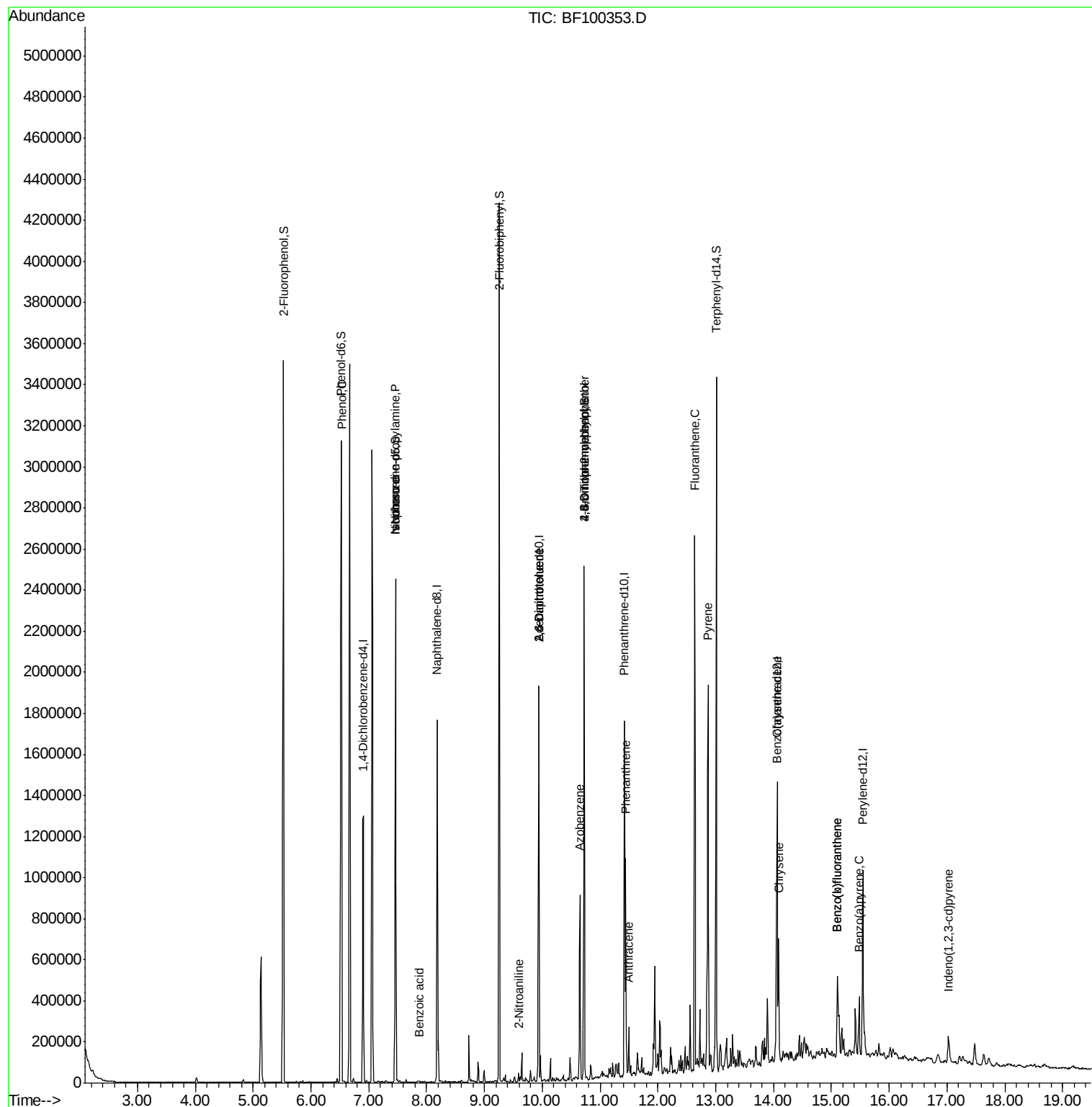
						Qvalue
10) Phenol	6.53	94	42578	2.652	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	105169	9.916	ng	# 85
25) Isophorone	7.46	82	793578	31.525	ng	# 64
32) Benzoic acid	7.89	122	263	9.395	ng	93
47) 2-Nitroaniline	9.59	65	115	2.800	ng	# 2
50) 2,6-Dinitrotoluene	9.94	165	48705	8.793	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	48705	6.970	ng	# 23
62) Azobenzene	10.65	77	140662	5.333	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	614	8.723	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	20402	2.922	ng	# 1
70) Phenanthrene	11.45	178	377438	11.005	ng	99
71) Anthracene	11.50	178	86292	2.480	ng	99
74) Fluoranthene	12.64	202	1006980	27.703	ng	98
77) Pyrene	12.87	202	735428	25.777	ng	100
80) Benzo(a)anthracene	14.05	228	233413	9.684	ng	97
82) Chrysene	14.09	228	216762	9.287	ng	99
85) Indeno(1,2,3-cd)pyrene	17.03	276	86401	4.577	ng	94
87) Benzo(b)fluoranthene	15.11	252	288310	11.653	ng	98
88) Benzo(k)fluoranthene	15.11	252	288310	12.334	ng	97
89) Benzo(a)pyrene	15.48	252	143314	6.534	ng	98

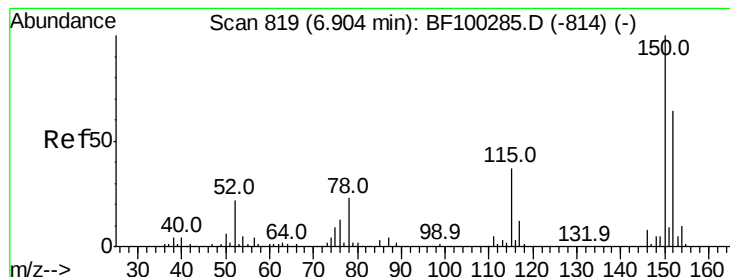
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
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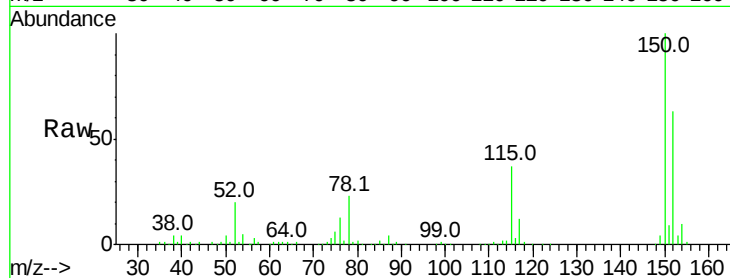


#1

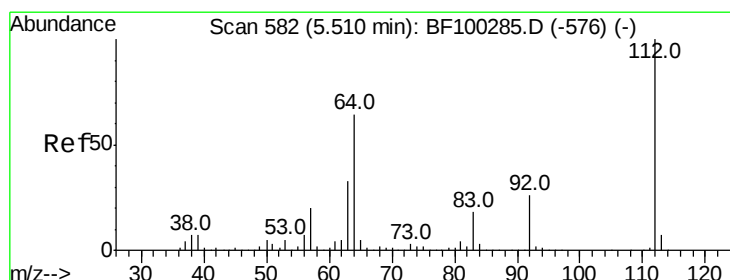
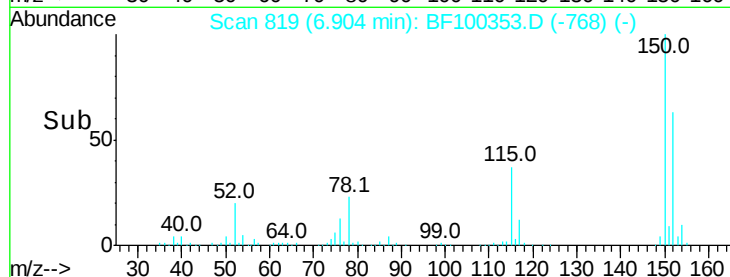
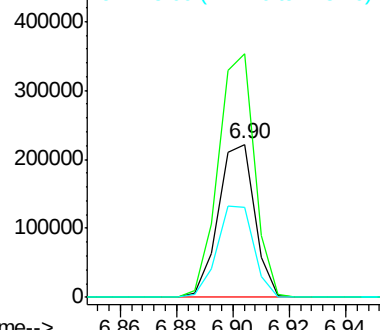
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 198804
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 58.7 50.1 75.1



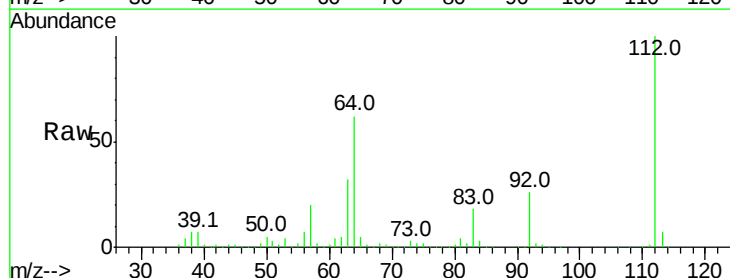
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



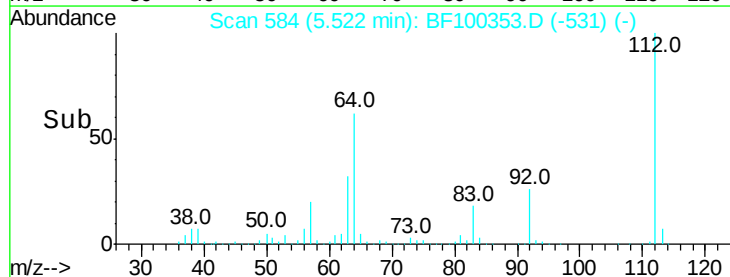
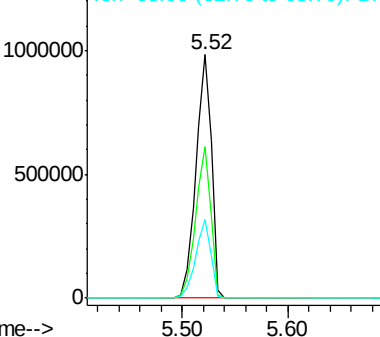
#5

2-Fluorophenol
Concen: 81.111 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion:112 Resp: 1005946
Ion Ratio Lower Upper
112 100
64 62.4 47.9 71.9
63 32.1 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: 82.436 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampled :

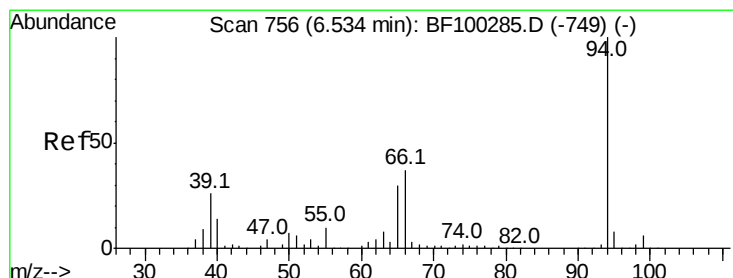
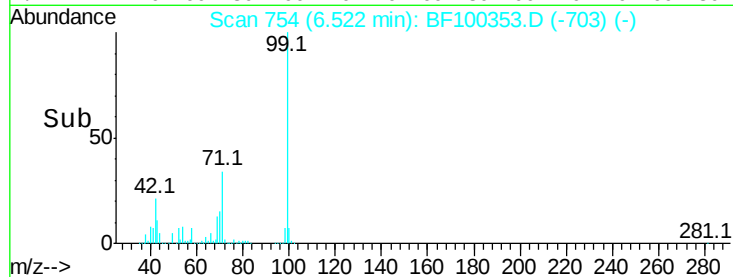
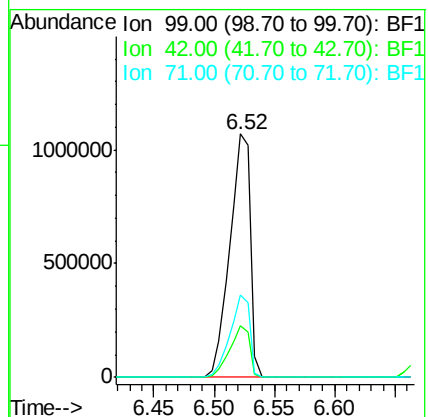
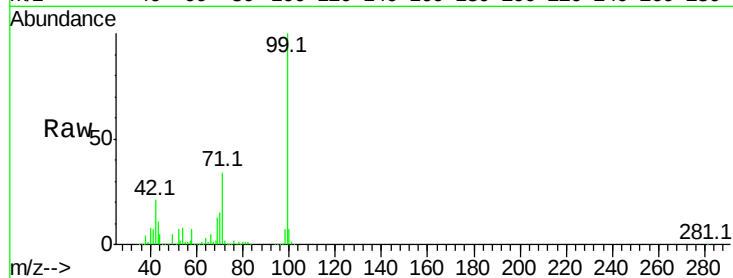
Tot Ion: 99 Resp: 1260728

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.652 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

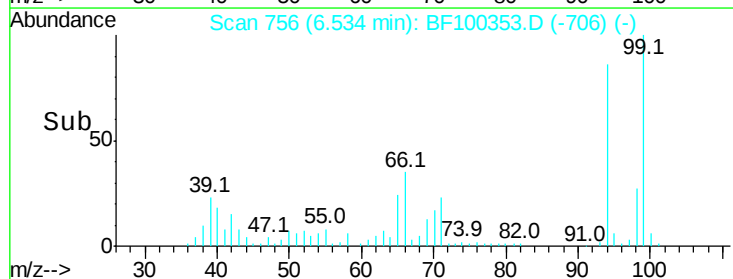
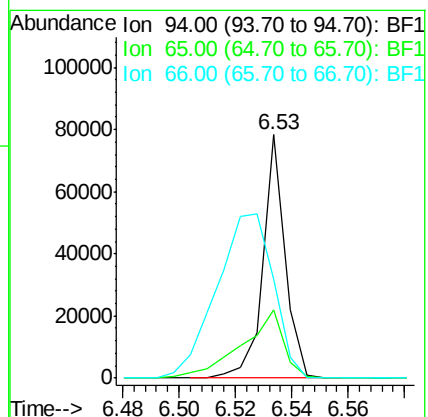
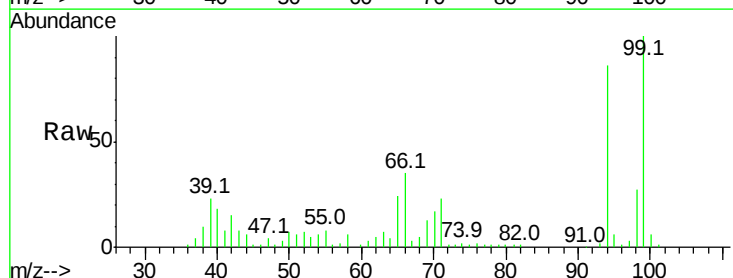
Tgt Ion: 94 Resp: 42578

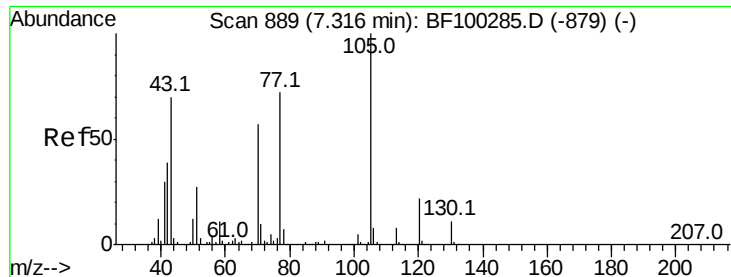
Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

66 40.4 16.2 56.2

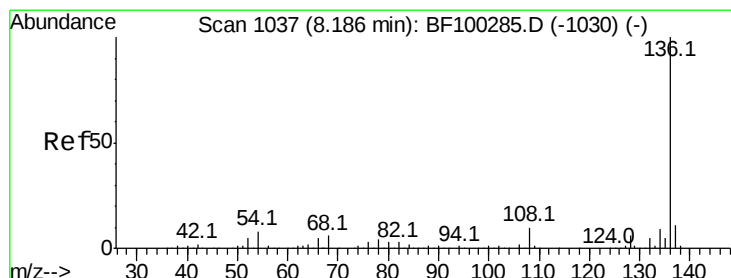
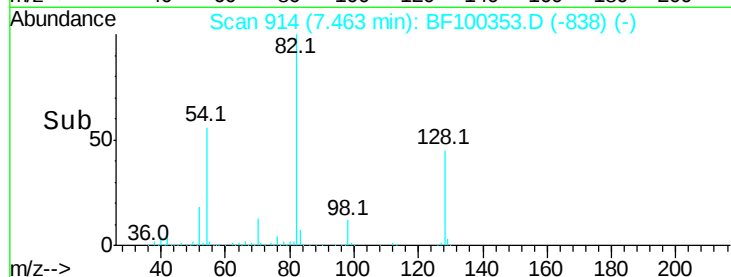
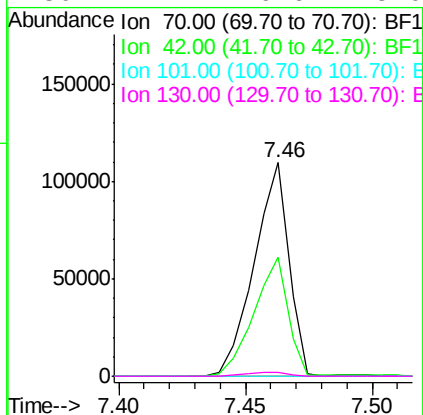
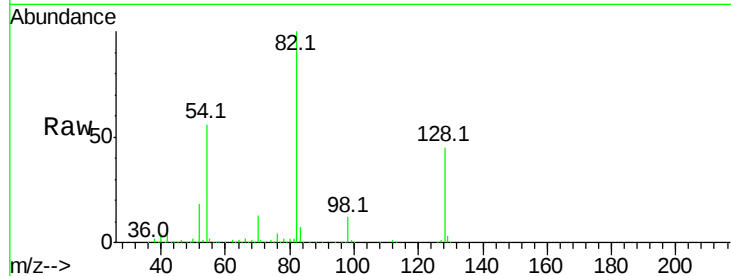




#19
n-Nitroso-di-n-propylamine
Concen: 9.916 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

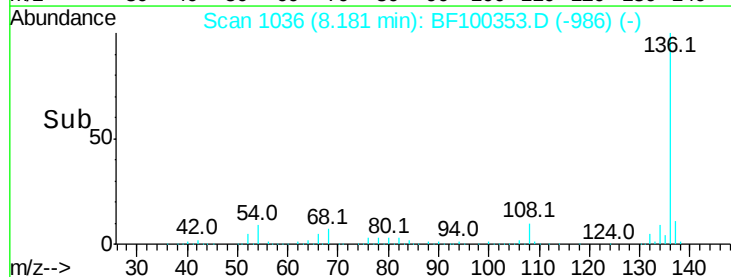
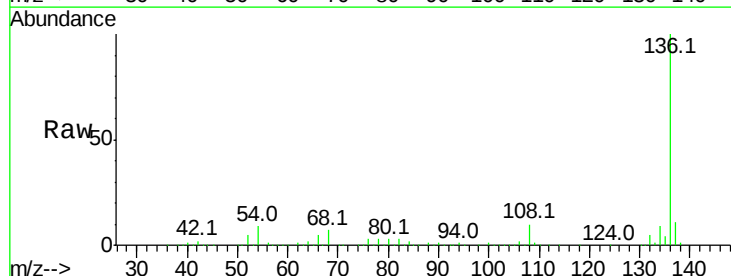
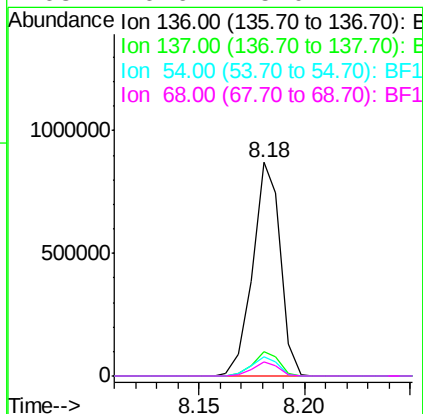
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 105169
Ion Ratio Lower Upper
70 100
42 55.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 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: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion: 136 Resp: 791966
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.1 6.6 9.8
68 6.6 5.0 7.4

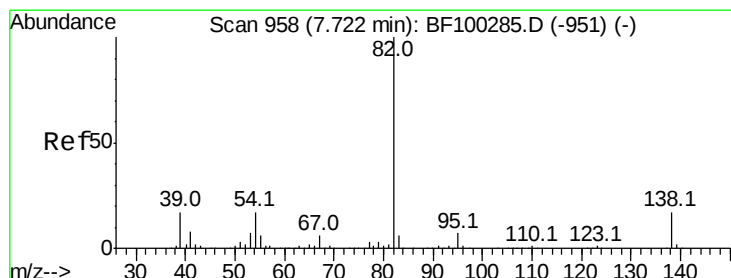
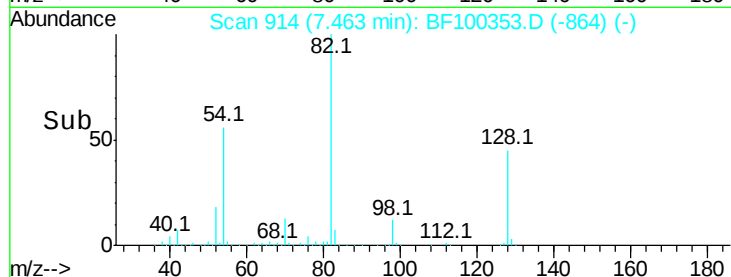
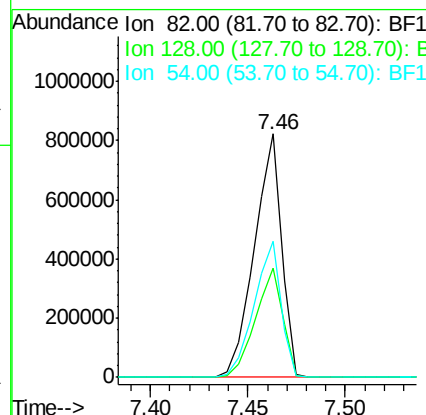
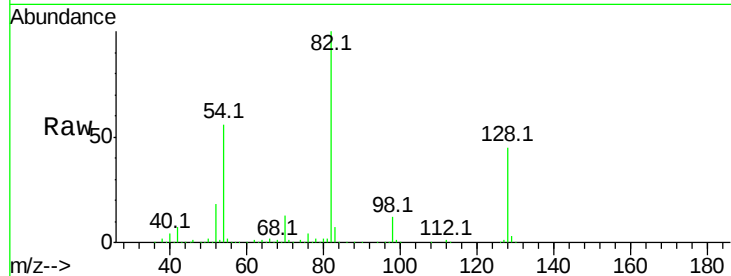




#23
 Nitrobenzene-d5
 Concen: 66.285 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

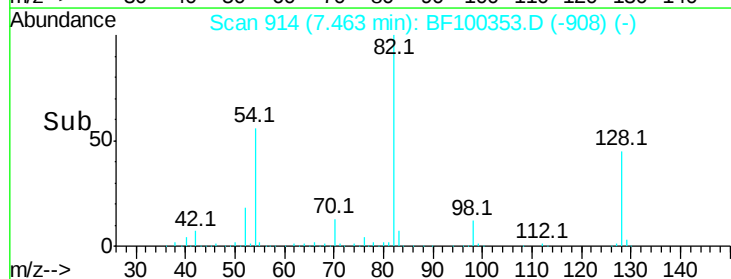
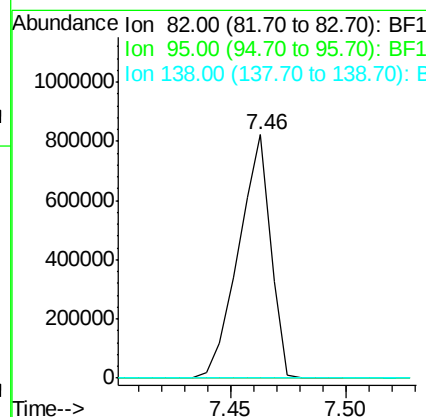
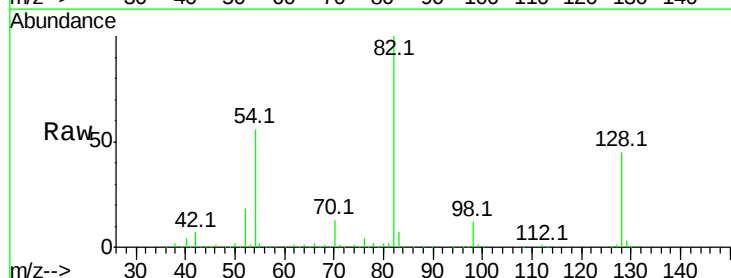
Instrument :
 BNA_F
 ClientSampleId :

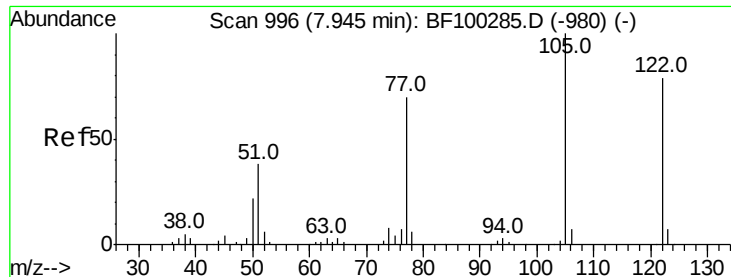
Tot Ion	82	Resp	794020
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.1	54.1
54	55.7	41.4	62.2



#25
 Isophorone
 Concen: 31.525 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.26 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Tgt Ion	82	Resp	793578
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

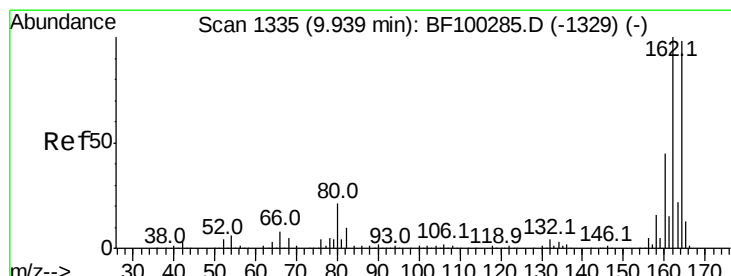
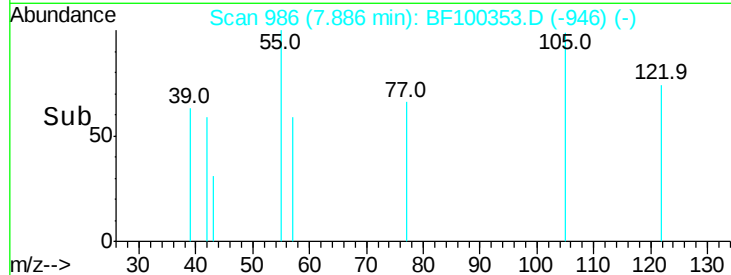
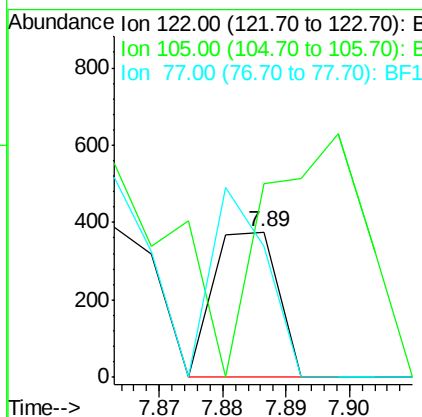
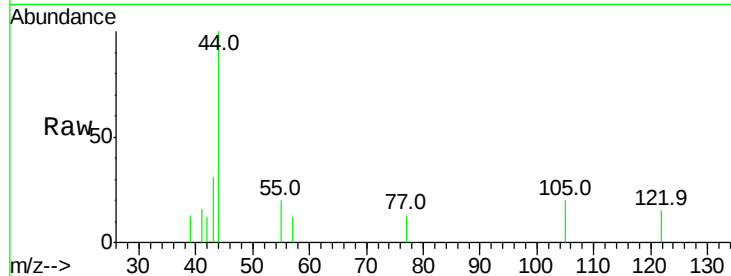




#32
Benzoic acid
Concen: 9.395 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.06 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

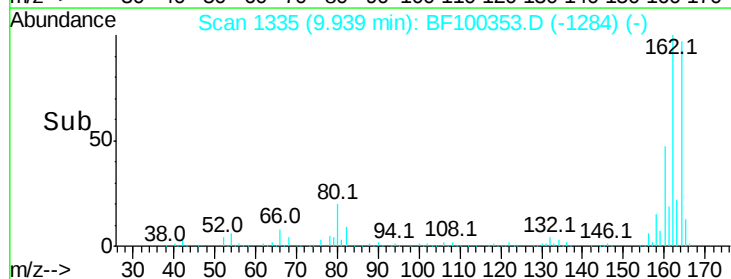
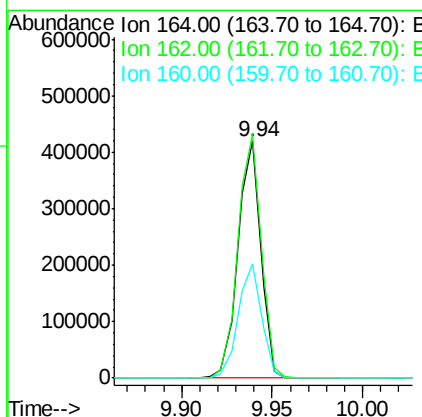
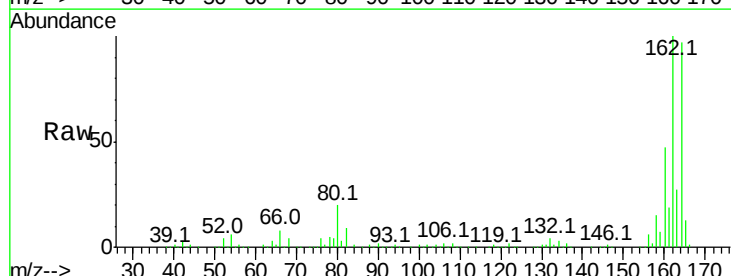
Instrument :
BNA_F
ClientSampled :

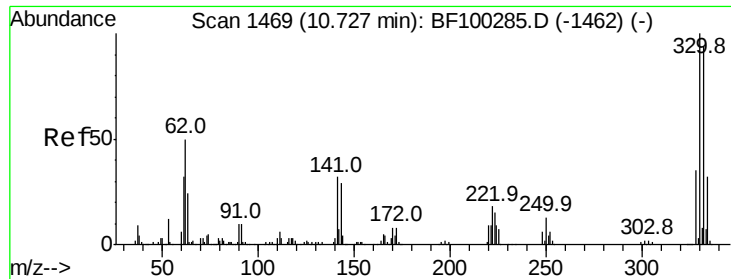
Tot Ion:122 Resp: 263
Ion Ratio Lower Upper
122 100
105 133.9 101.1 141.1
77 89.9 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion:164 Resp: 366504
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 48.2 38.3 57.5

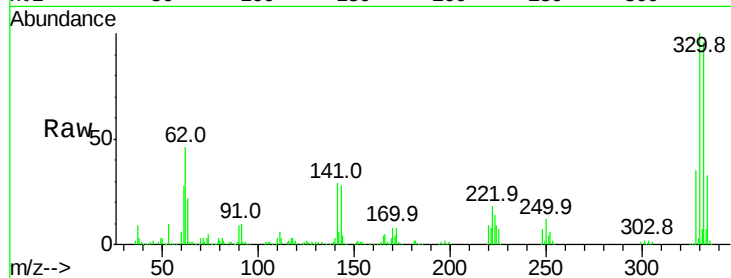




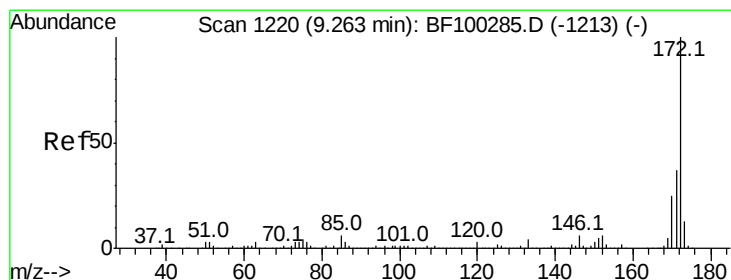
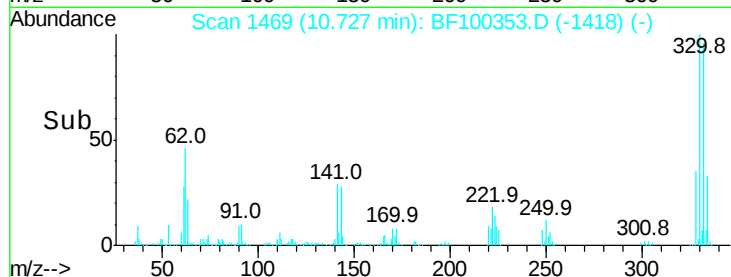
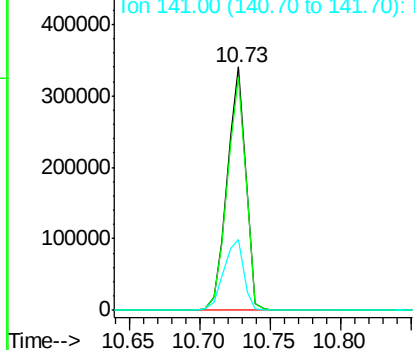
#41
 2,4,6-Tribromophenol
 Concen: 83.197 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 310714
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 31.3 29.9 44.9

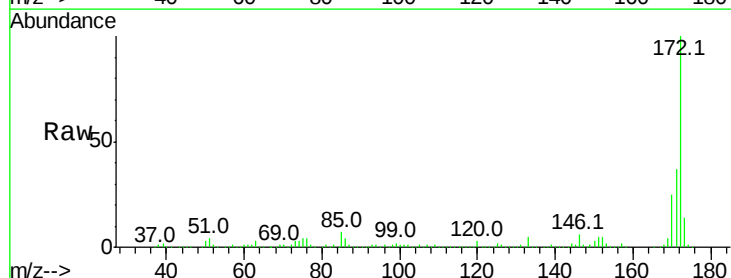


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

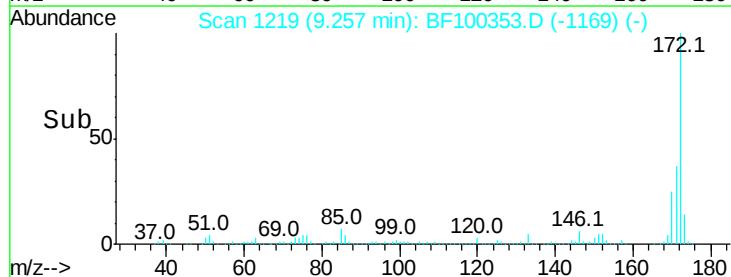
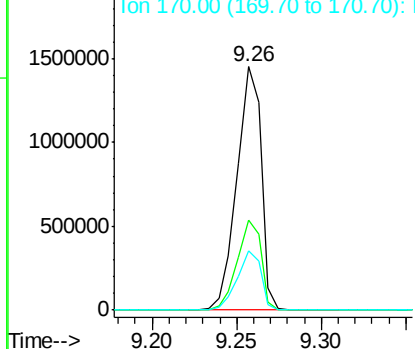


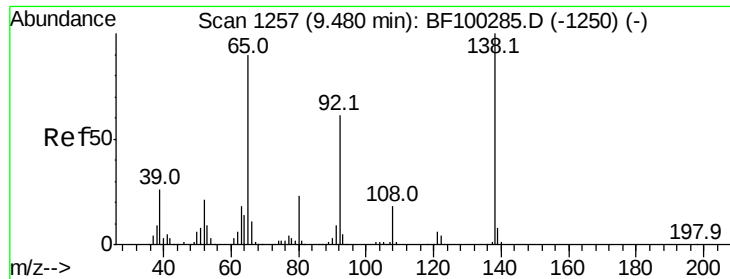
#44
 2-Fluorobiphenyl
 Concen: 60.373 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Tgt Ion:172 Resp: 1453120
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.5 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: 2.800 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.11 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampleId :

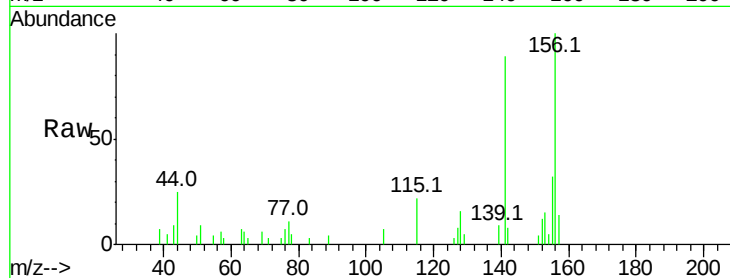
Tot Ion: 65 Resp: 115

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

9.59

300

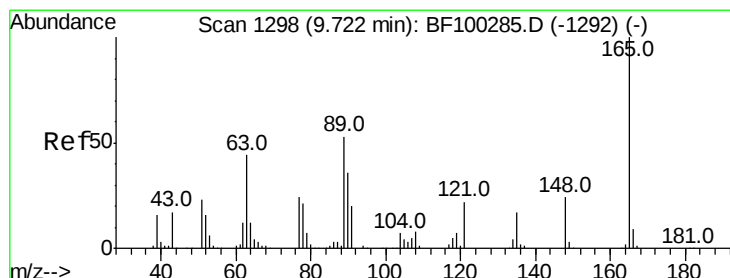
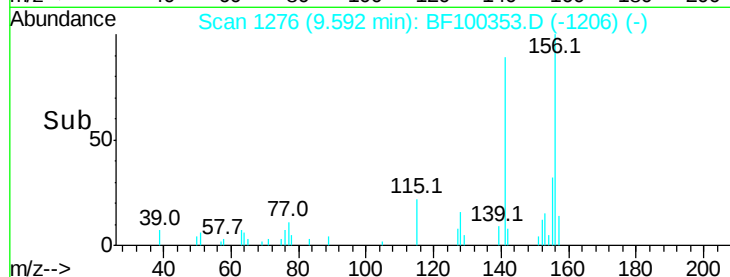
200

100

0

9.57 9.58 9.59 9.60 9.61

Time-->



#50

2,6-Dinitrotoluene

Concen: 8.793 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

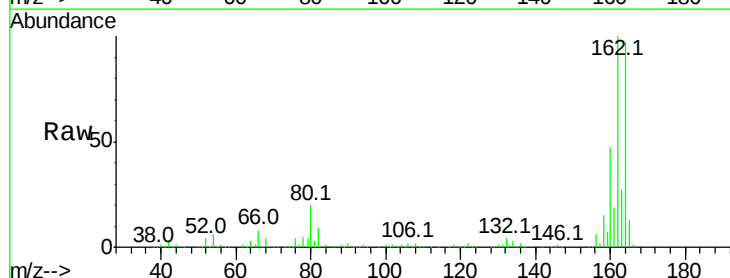
Tgt Ion:165 Resp: 48705

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

89 1.1 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

9.94

60000

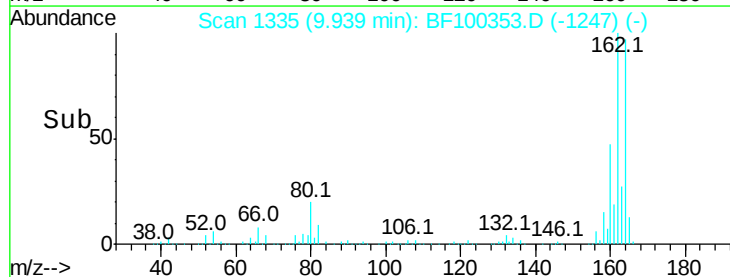
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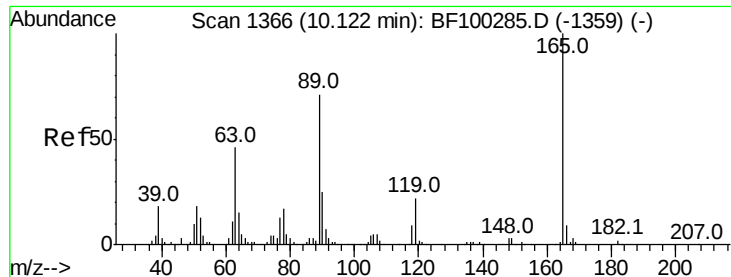
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0

9.90 9.95

Time-->

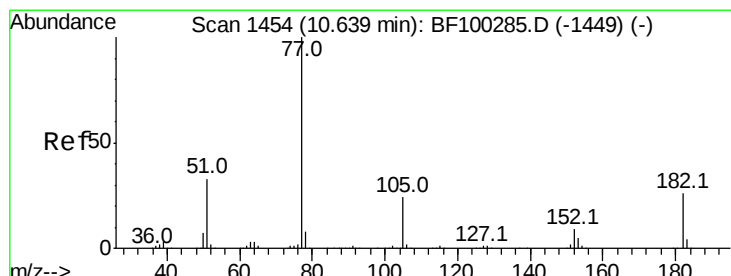
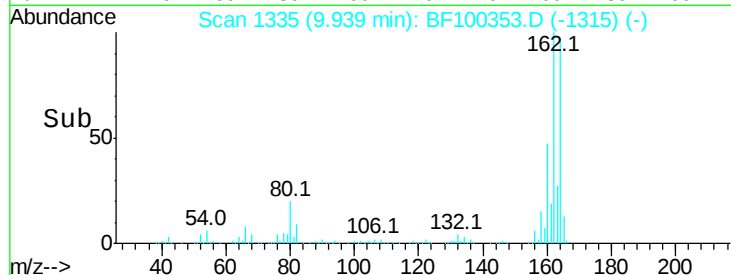
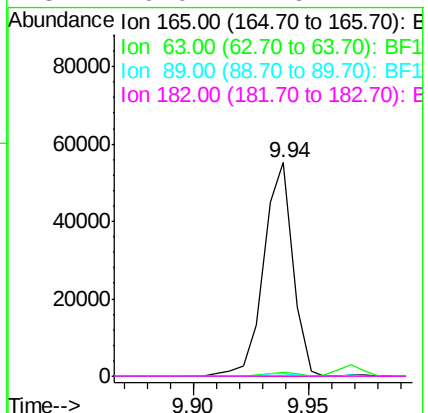
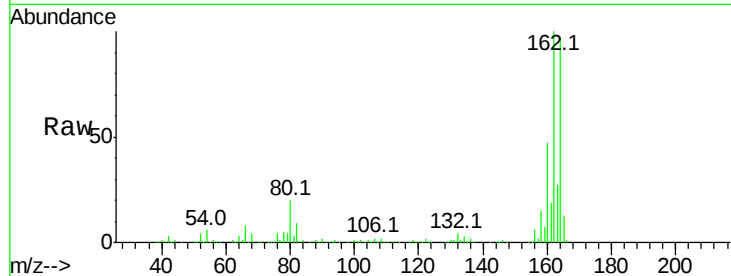




#56
2,4-Dinitrotoluene
Concen: 6.970 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.18 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

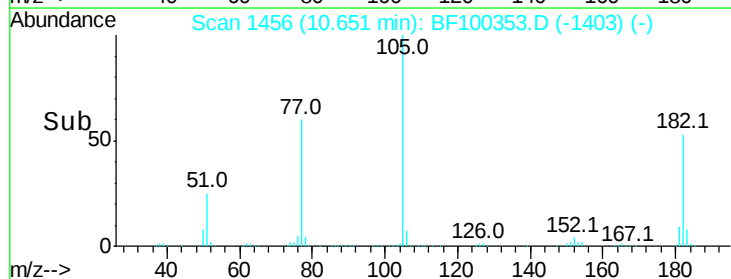
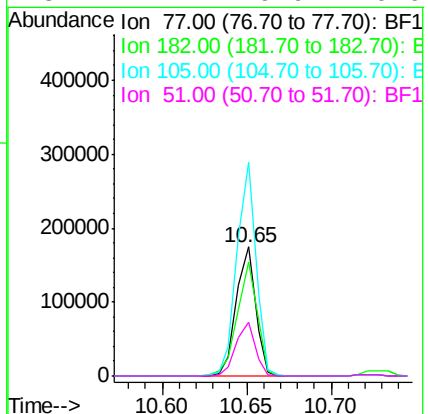
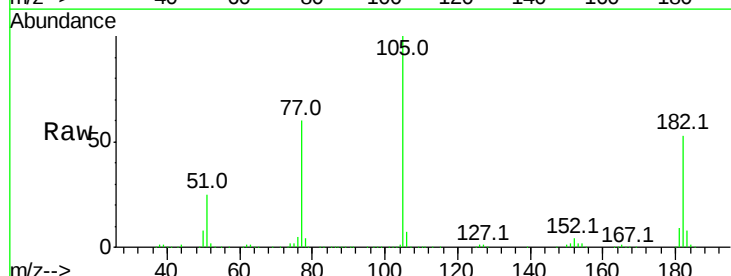
Instrument :
BNA_F
ClientSampleId :

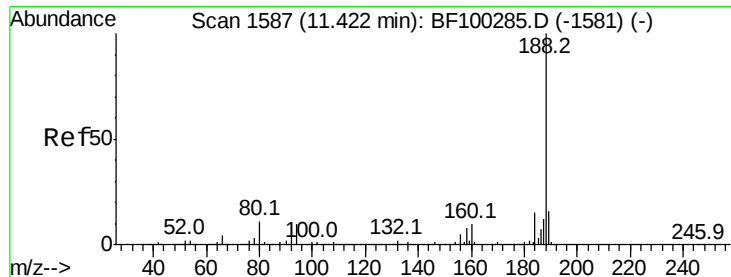
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#62
Azobenzene
Concen: 5.333 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
77	100		
182	87.9	1.7	41.7#
105	165.4	3.0	43.0#
51	42.1	9.9	49.9

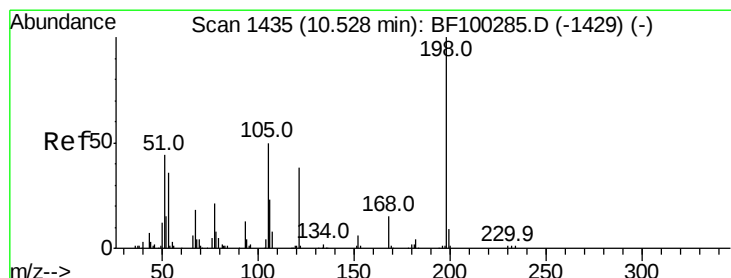
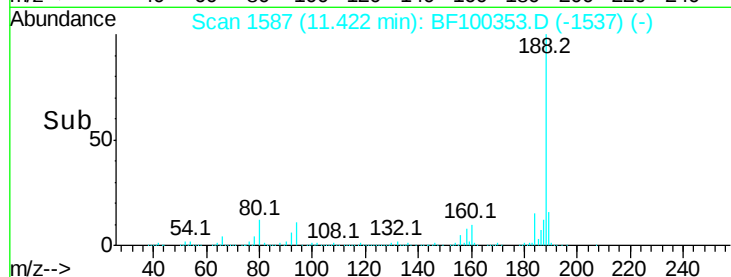
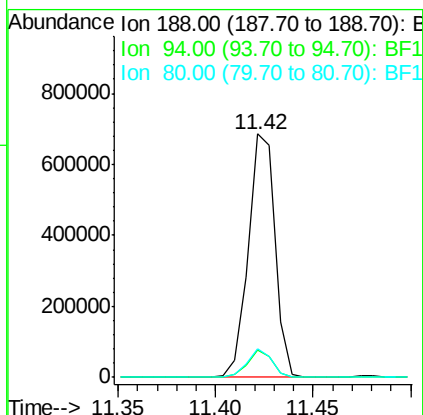
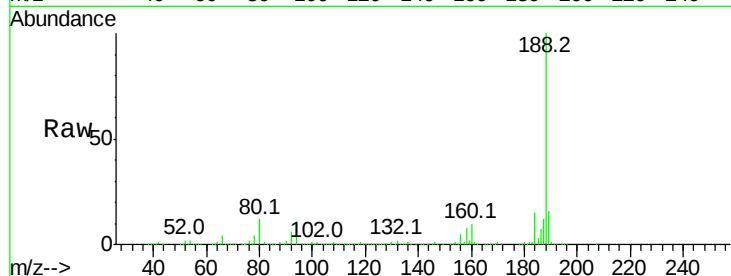




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

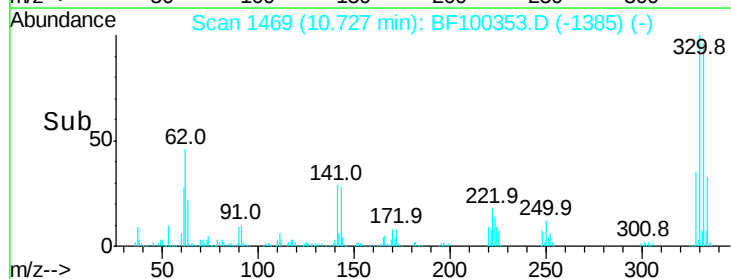
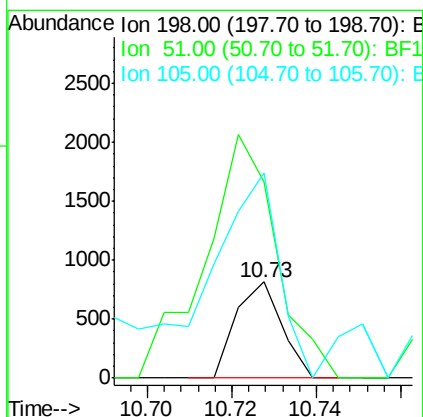
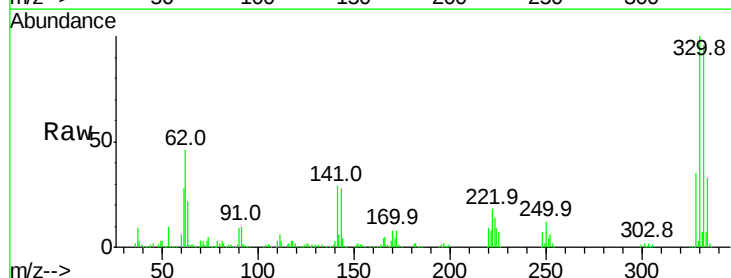
Instrument :
BNA_F
ClientSampleId :

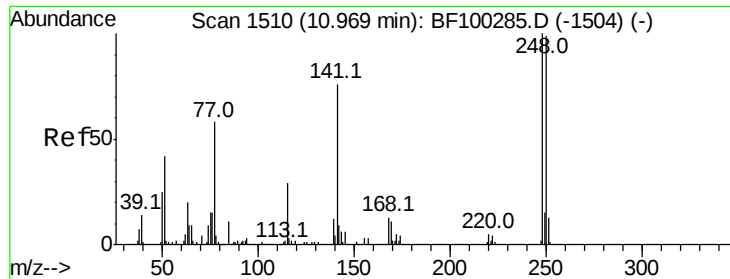
Tot Ion:188 Resp: 651417
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.723 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion:198 Resp: 614
Ion Ratio Lower Upper
198 100
51 203.6 37.7 77.7#
105 213.7 36.3 76.3#

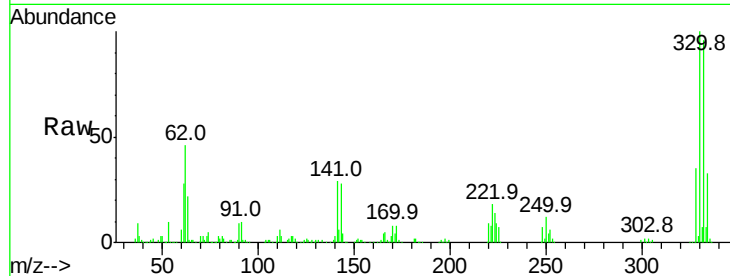




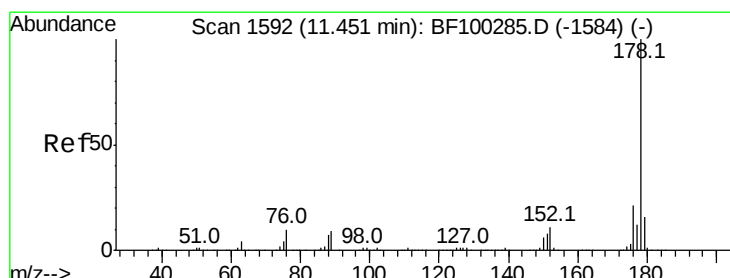
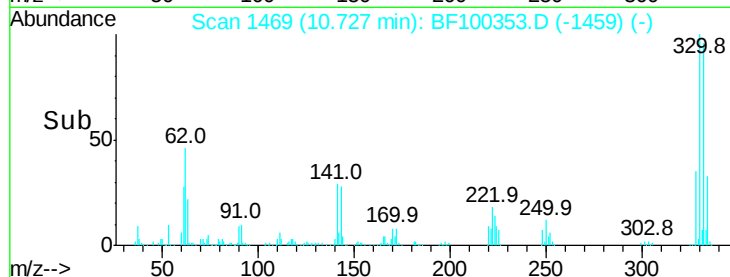
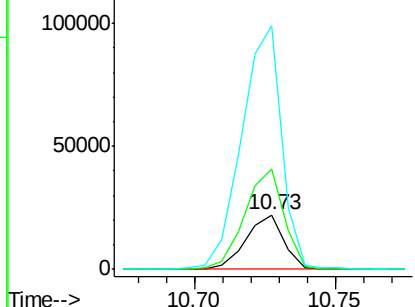
#66
4-Bromophenyl-phenylether
Concen: 2.922 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20402
Ion Ratio Lower Upper
248 100
250 182.3 76.9 115.3#
141 445.6 74.4 111.6#

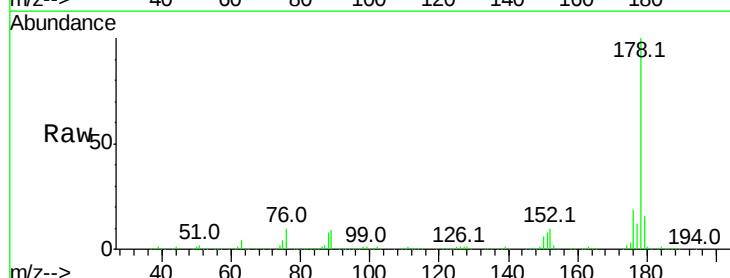


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

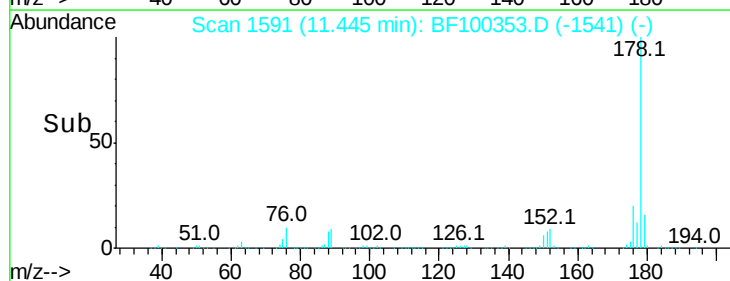
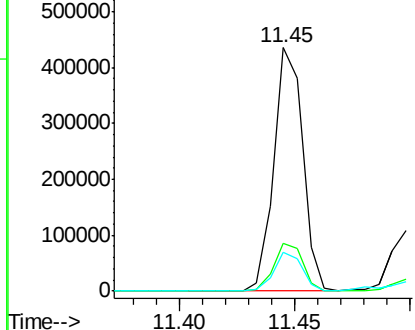


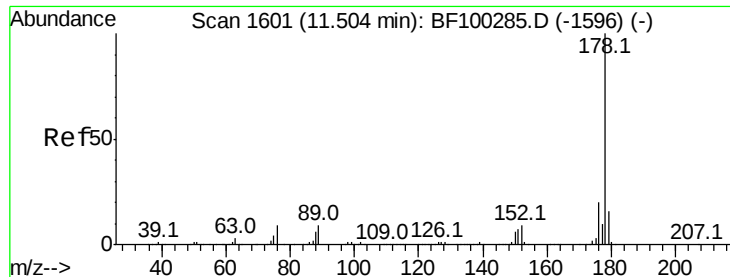
#70
Phenanthrene
Concen: 11.005 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion:178 Resp: 377438
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

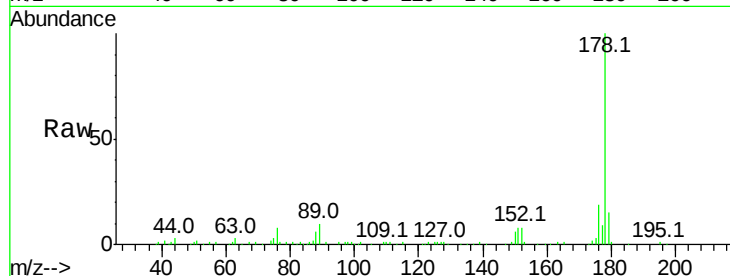




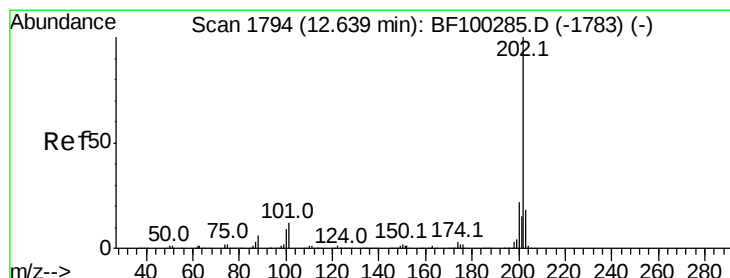
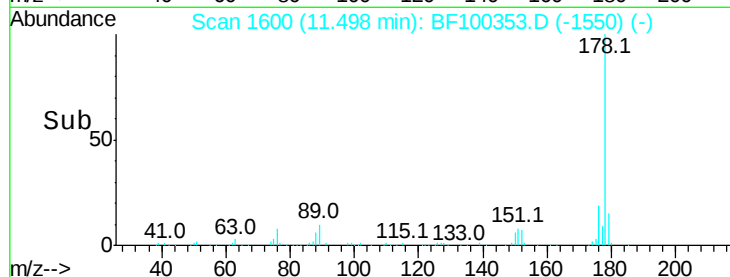
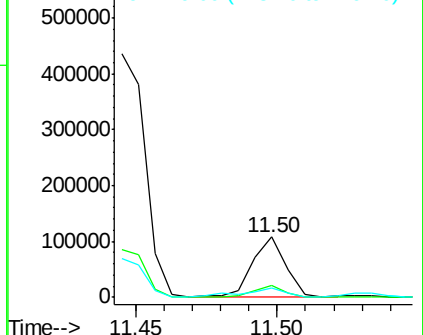
#71
 Anthracene
 Concen: 2.480 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:178 Resp: 86292
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.1 12.6 19.0

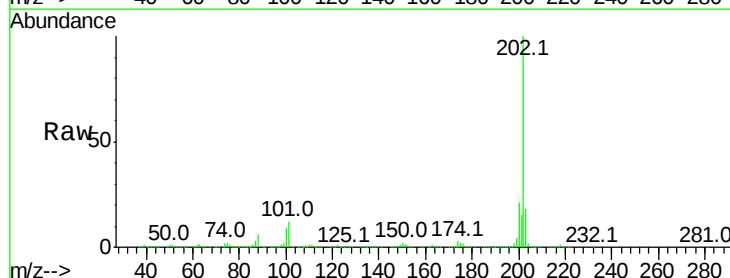


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

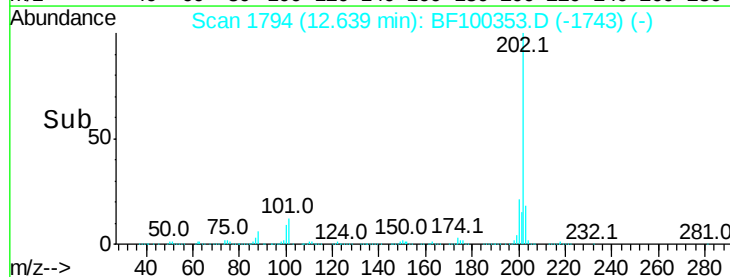
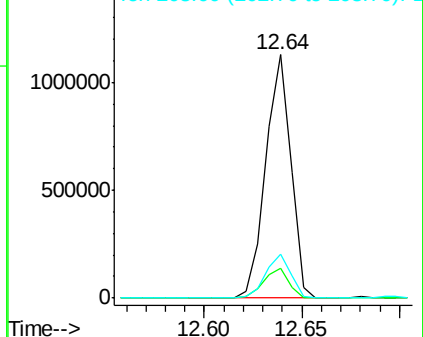


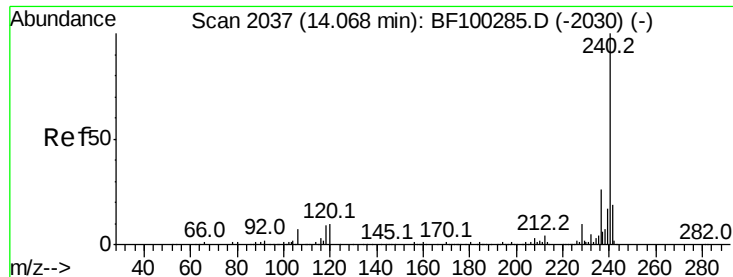
#74
 Fluoranthene
 Concen: 27.703 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Tgt Ion:202 Resp: 1006980
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 34.1
 203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampleId :

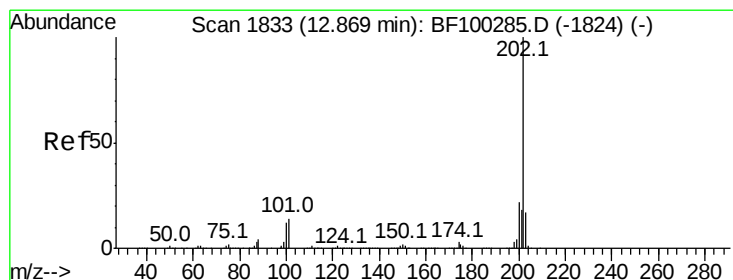
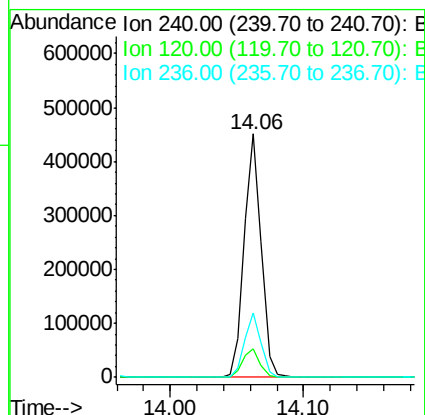
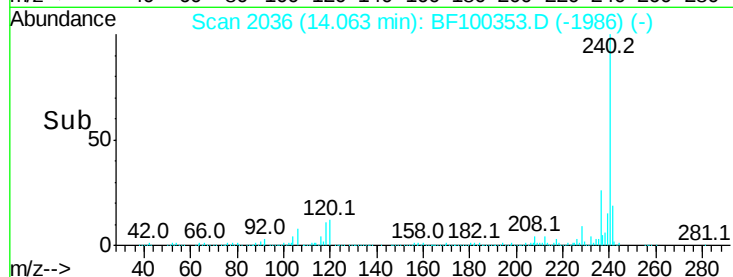
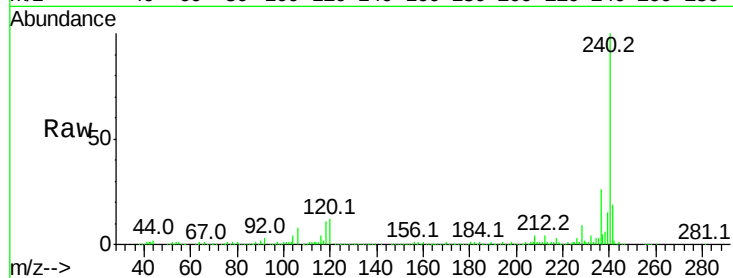
Tot Ion:240 Resp: 400236

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

236 26.2 20.7 31.1



#77

Pyrene

Concen: 25.777 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

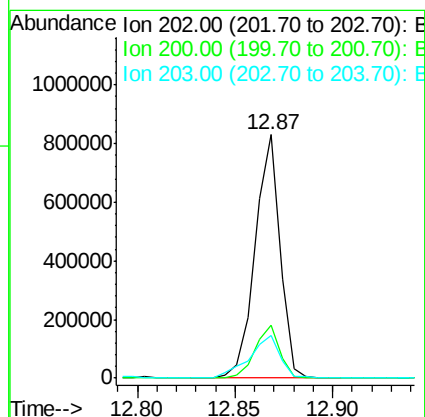
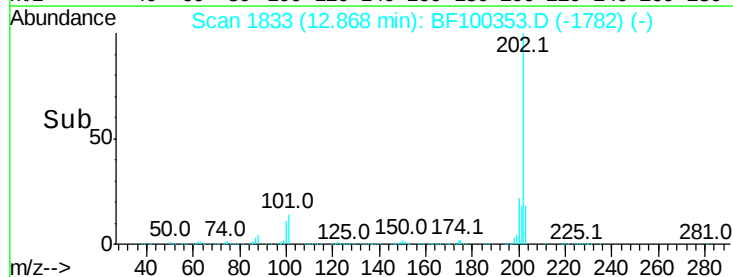
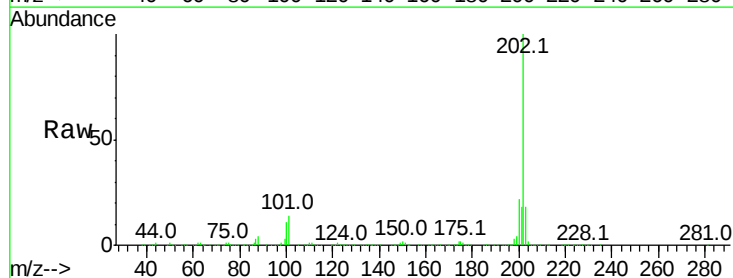
Tgt Ion:202 Resp: 735428

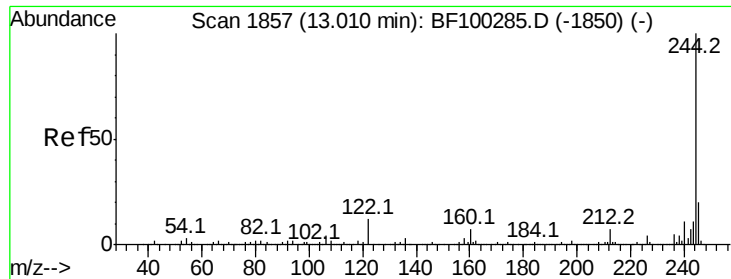
Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 17.8 14.3 21.5





#78

Terphenyl-d14

Concen: 62.501 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampleId :

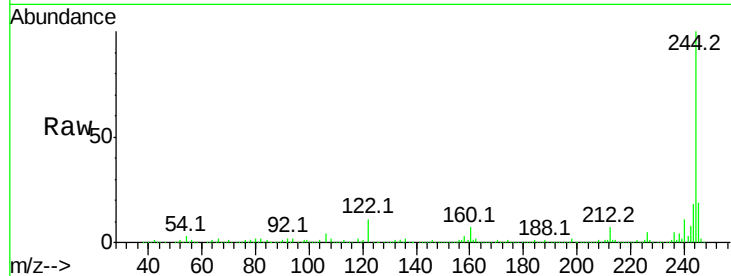
Tot Ion:244 Resp: 1088697

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

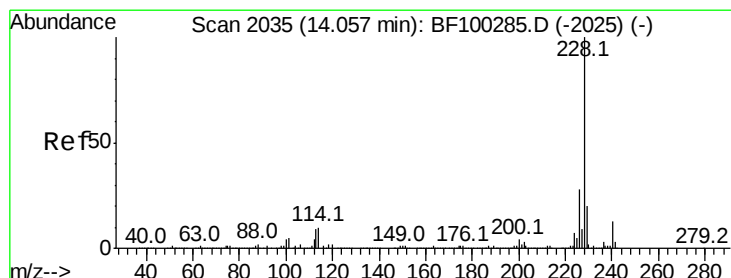
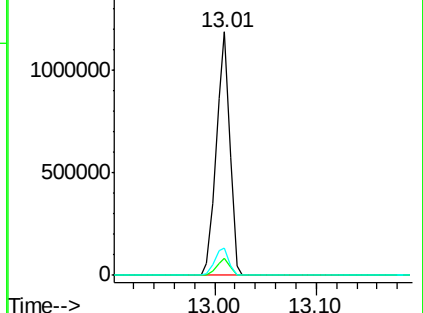
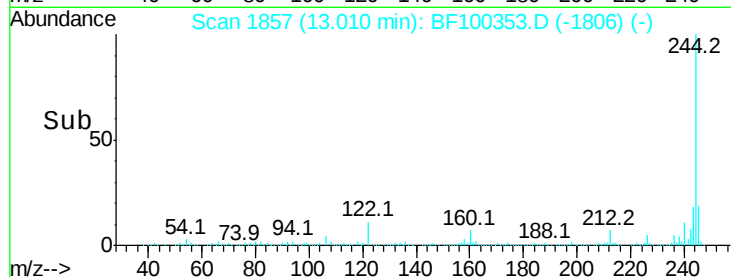
122 11.4 11.0 16.4



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: 9.684 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

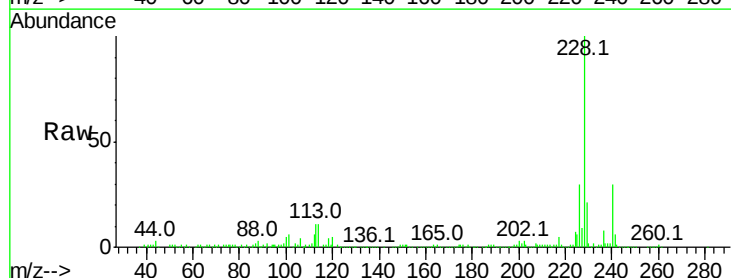
Tgt Ion:228 Resp: 233413

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

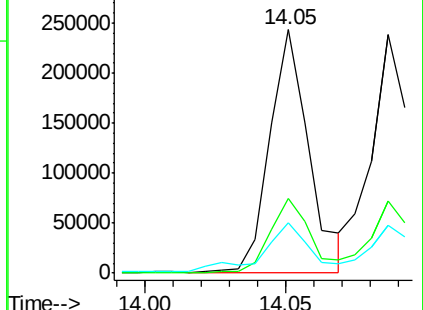
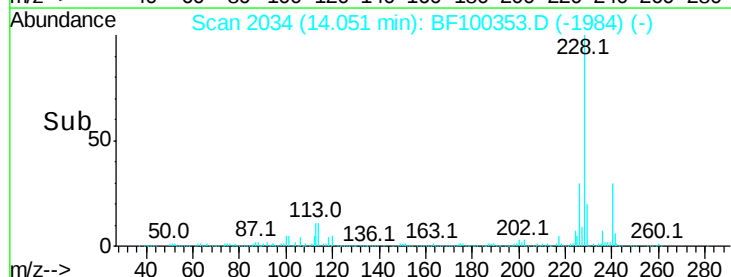
229 20.8 15.8 23.6

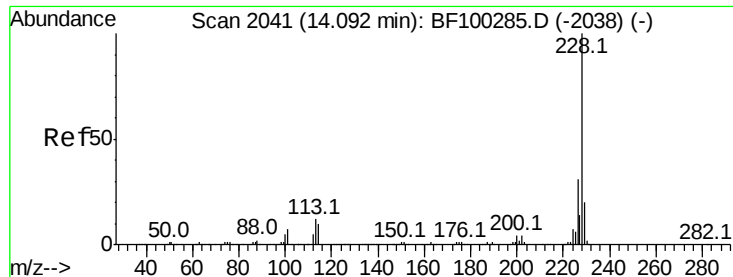


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.287 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampleId :

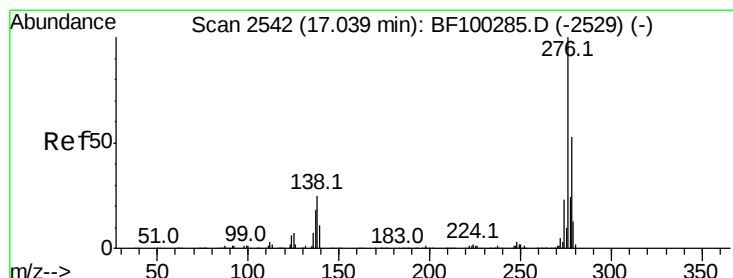
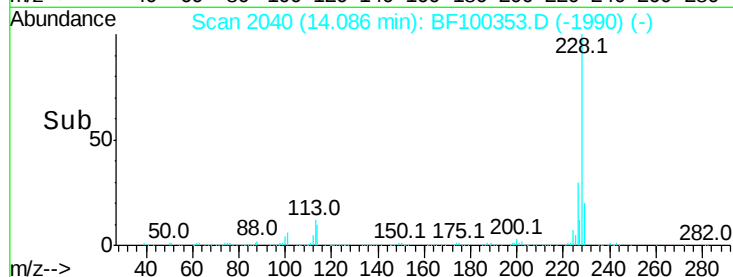
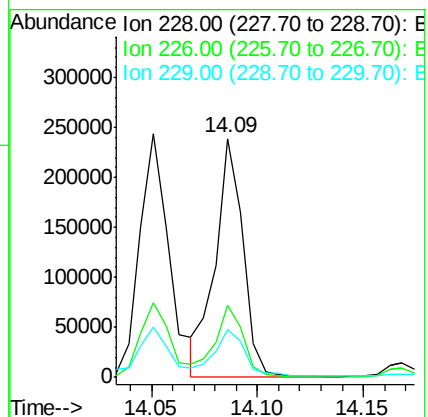
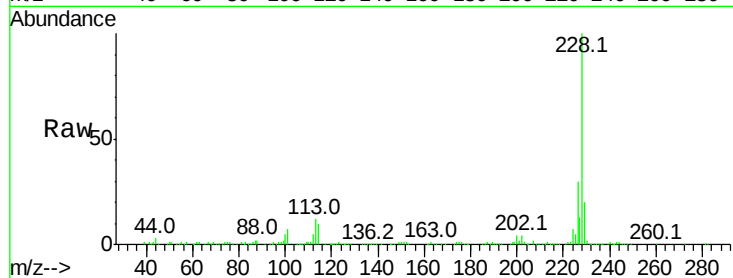
Tot Ion:228 Resp: 216762

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 20.2 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.577 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

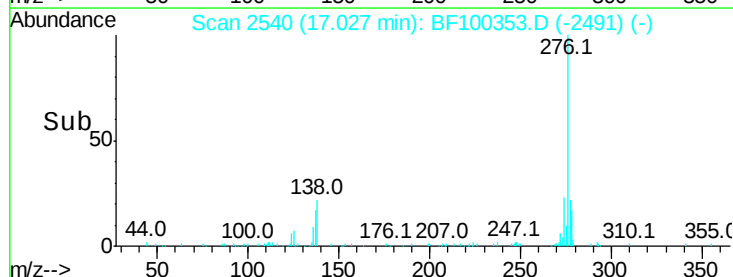
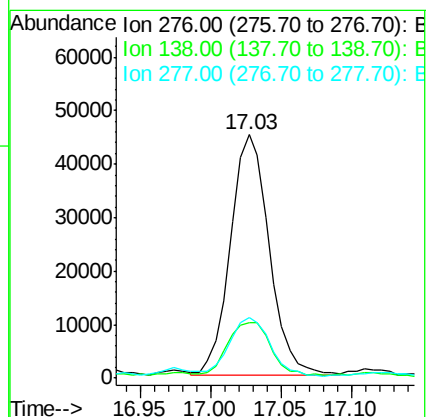
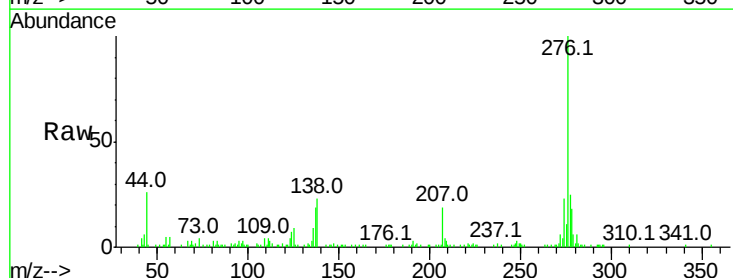
Tgt Ion:276 Resp: 86401

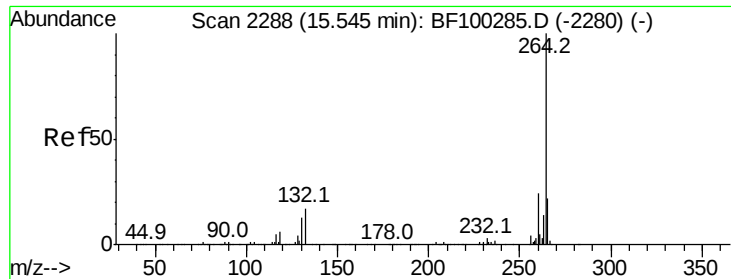
Ion Ratio Lower Upper

276 100

138 25.8 25.0 37.6

277 25.5 20.1 30.1



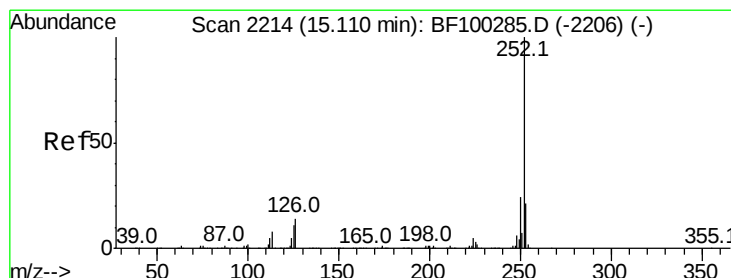
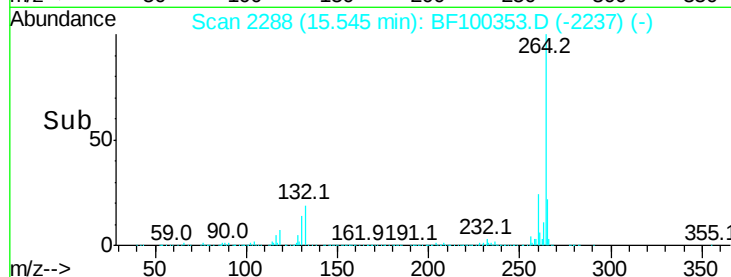
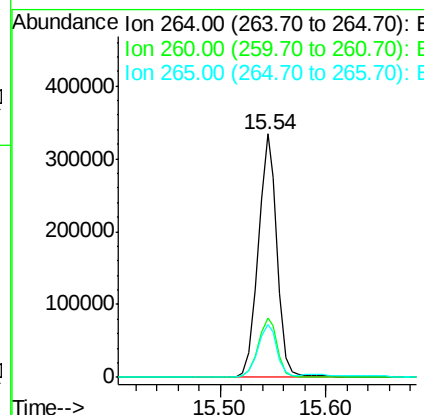
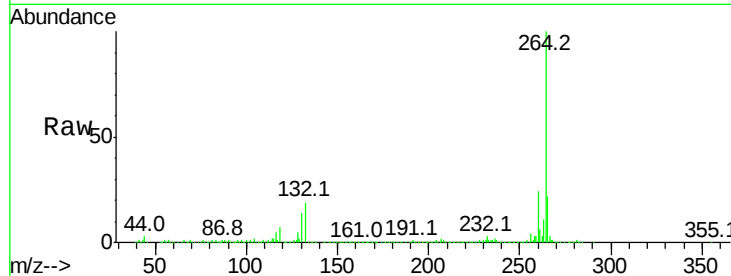


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 417594

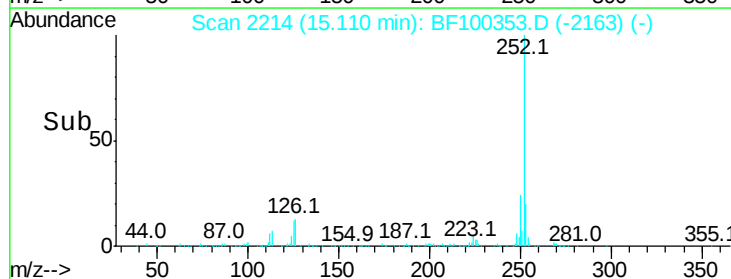
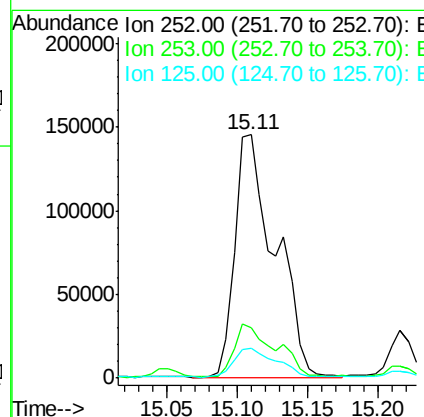
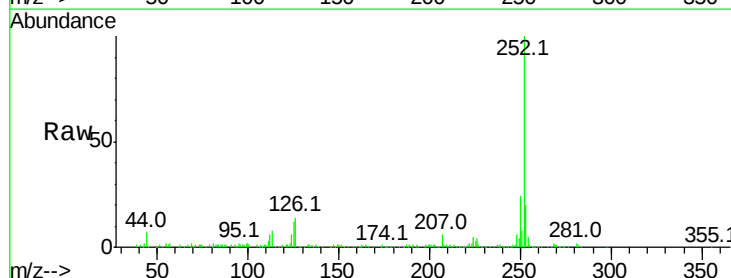
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.5	26.3

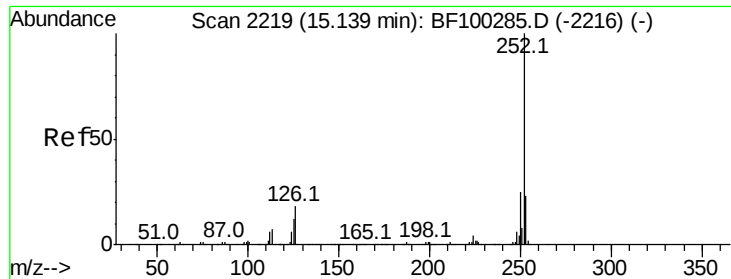


#87
Benzo(b)fluoranthene
Concen: 11.653 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion:252 Resp: 288310

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.0	25.6
125	12.2	9.0	13.6

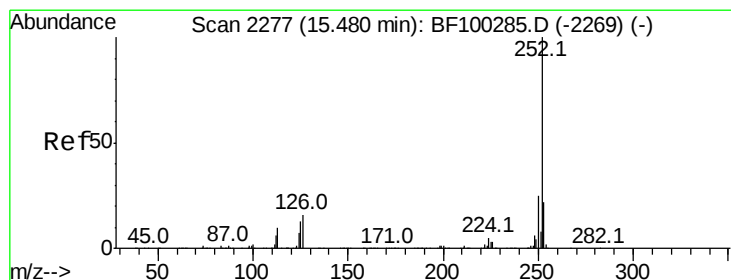
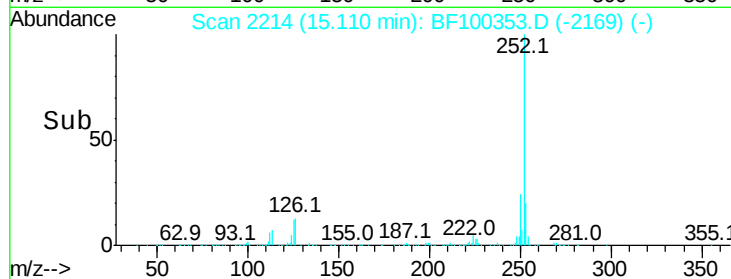
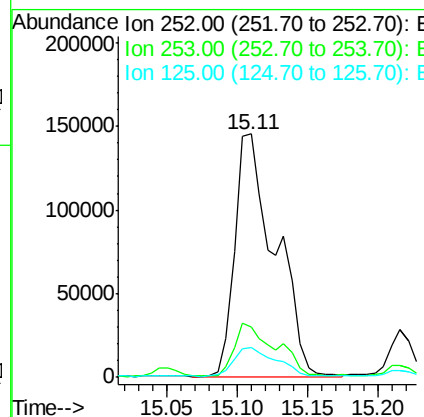
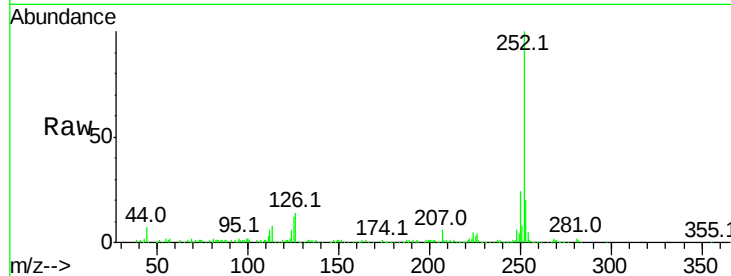




#88
Benzo(k)fluoranthene
Concen: 12.334 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.9	26.9
125	12.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.534 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.5	9.8	14.6

