

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100523.D
 Acq On : 14 Nov 2017 4:33
 Operator : SJ/JU
 Sample : I6301-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 08:40:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

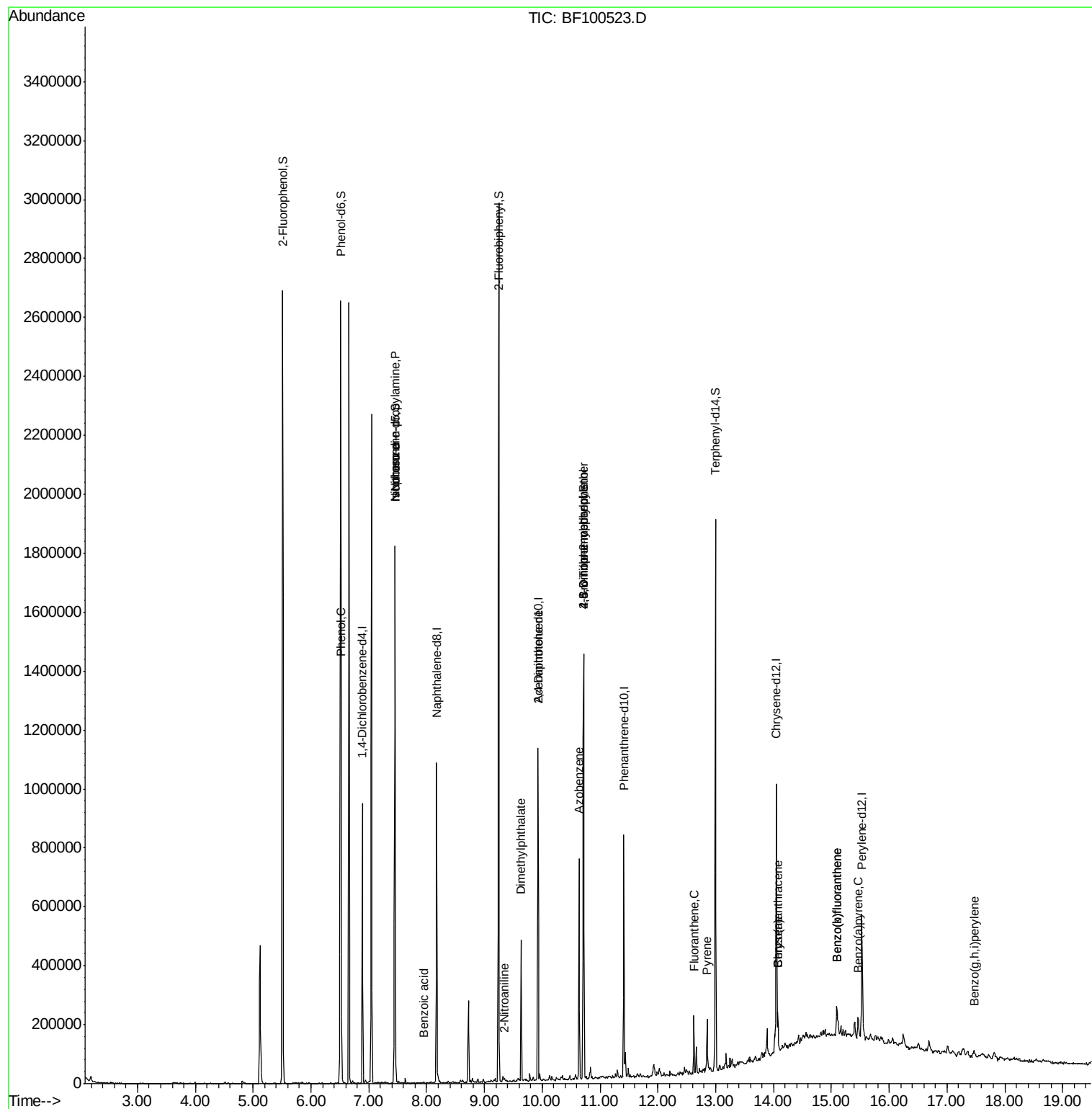
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	133074	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	501033	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	198720	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	300181	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	277867	20.00	ng	-0.02
86) Perylene-d12	15.53	264	209664	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	777026	93.60	ng	0.00
7) Phenol-d6	6.52	99	937959	91.62	ng	0.00
23) Nitrobenzene-d5	7.45	82	583950	77.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	168743	83.33	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	910915	69.80	ng	-0.02
78) Terphenyl-d14	13.00	244	608495	50.32	ng	-0.01
Target Compounds						
10) Phenol	6.53	94	40778	3.79	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	7.45	70	77950	10.98	ng	# 79
25) Isophorone	7.45	82	583943	36.67	ng	# 64
32) Benzoic acid	7.95	122	132	9.39	ng	# 1
47) 2-Nitroaniline	9.34	65	116	2.81	ng	# 2
49) Dimethylphthalate	9.63	163	175238	11.55	ng	99
56) 2,4-Dinitrotoluene	9.93	165	25752	6.80	ng	# 22
62) Azobenzene	10.64	77	115450	8.07	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	337	8.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	10739	3.34	ng	# 1
74) Fluoranthene	12.62	202	77047	4.60	ng	97
77) Pylene	12.85	202	72459	3.66	ng	98
80) Benzo(a)anthracene	14.07	228	43769	2.62	ng	93
82) Chrysene	14.07	228	43769	2.70	ng	97
87) Benzo(b)fluoranthene	15.09	252	70150	5.65	ng	# 90
88) Benzo(k)fluoranthene	15.09	252	70150	5.98	ng	# 93
89) Benzo(a)pyrene	15.46	252	33117	3.01	ng	# 91
91) Benzo(g,h,i)perylene	17.46	276	18585	2.11	ng	# 89

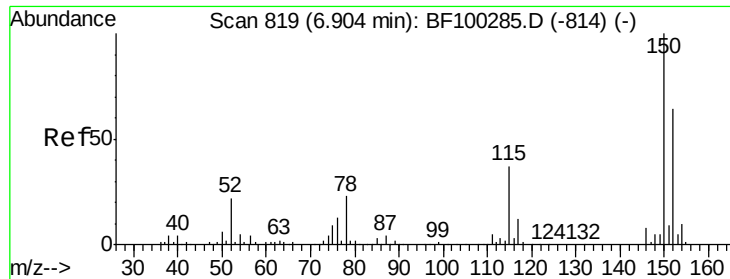
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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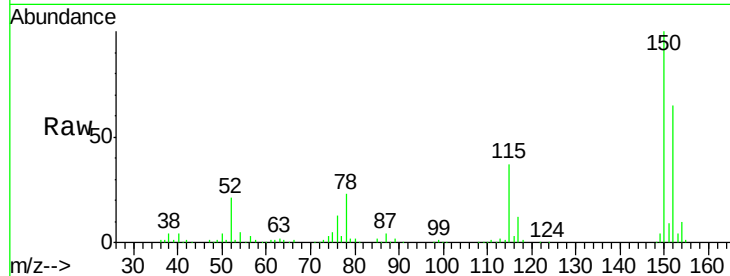


#1

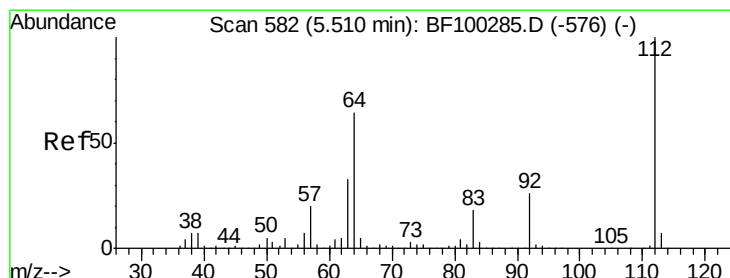
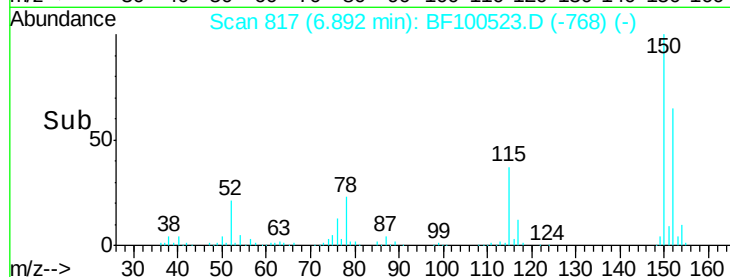
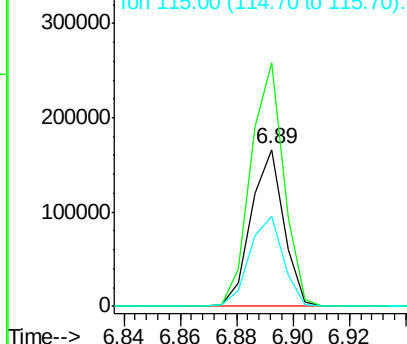
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 133074
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.6 186.8
 115 57.6 50.1 75.1



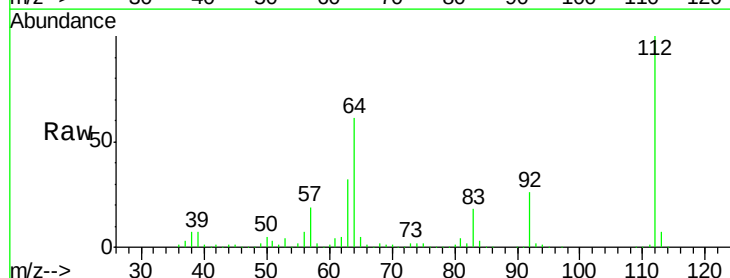
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



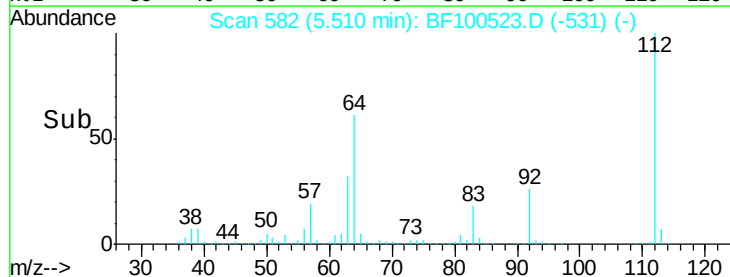
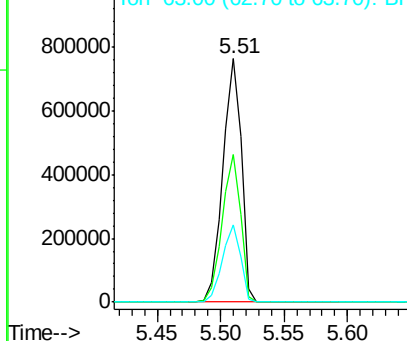
#5

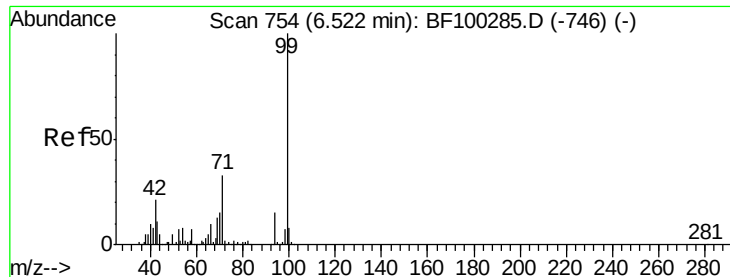
2-Fluorophenol
 Concen: 93.60 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Tgt Ion:112 Resp: 777026
 Ion Ratio Lower Upper
 112 100
 64 60.8 47.9 71.9
 63 31.8 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: 91.62 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampled :

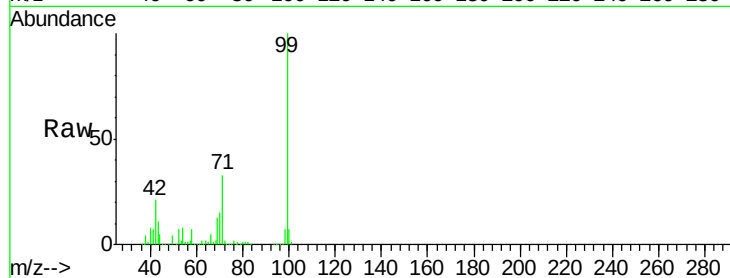
Tot Ion: 99 Resp: 937959

Ion Ratio Lower Upper

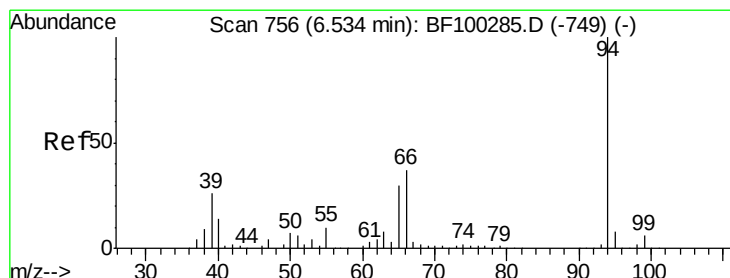
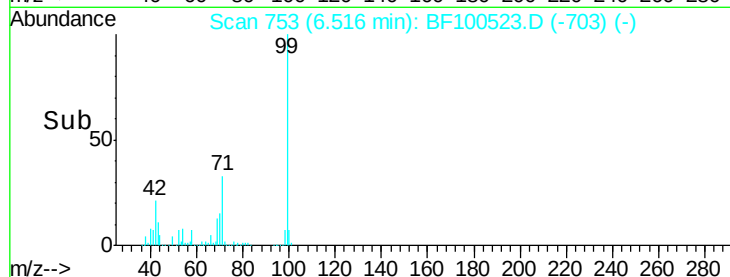
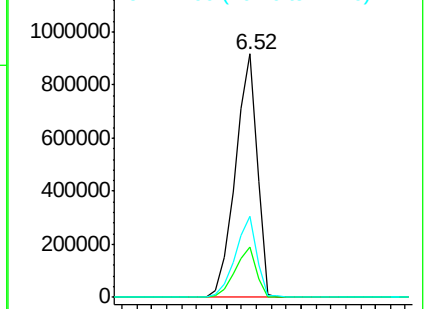
99 100

42 20.8 14.5 21.7

71 33.3 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



#10

Phenol

Concen: 3.79 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

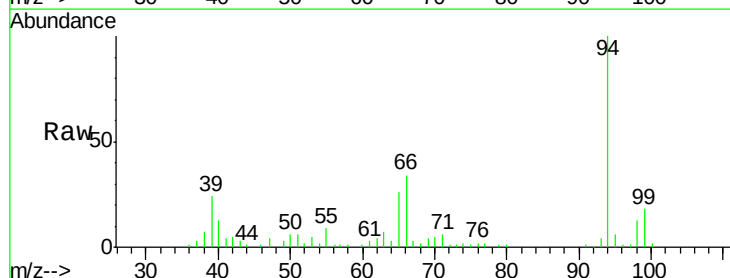
Tgt Ion: 94 Resp: 40778

Ion Ratio Lower Upper

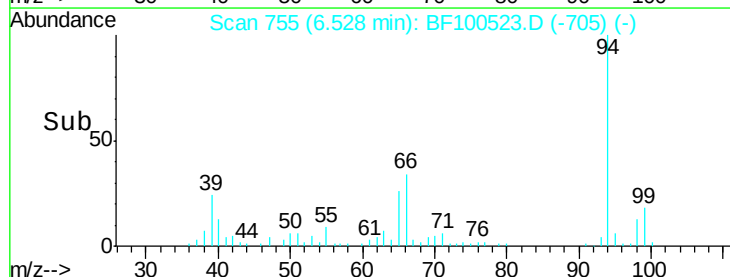
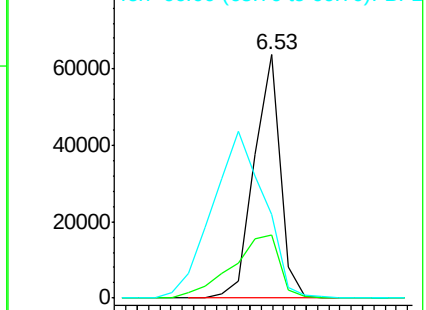
94 100

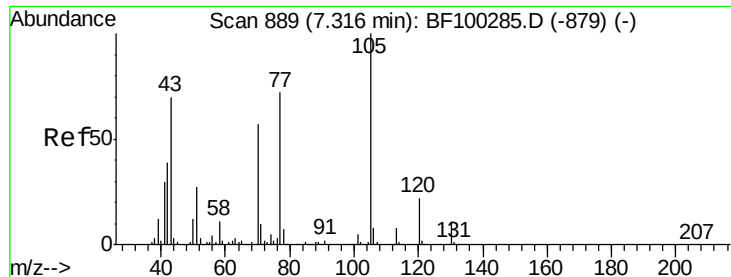
65 26.0 7.9 47.9

66 34.3 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

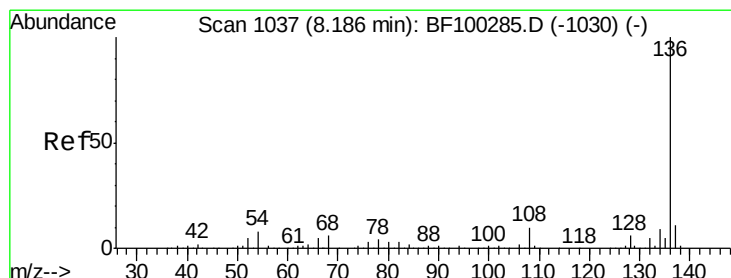
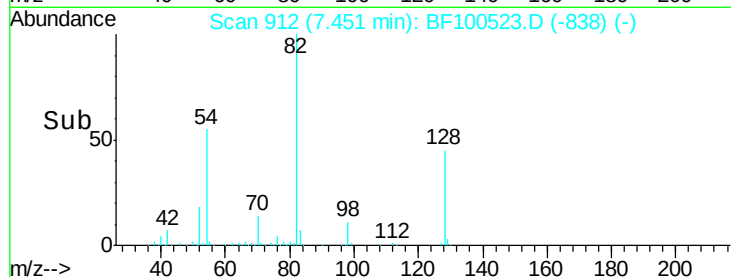
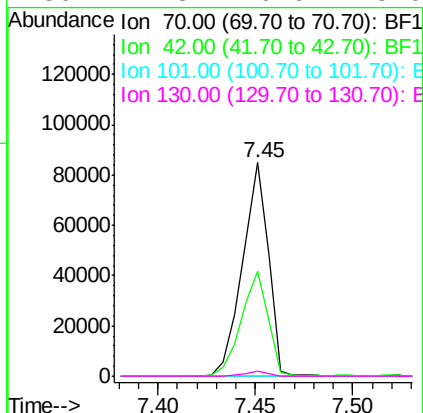
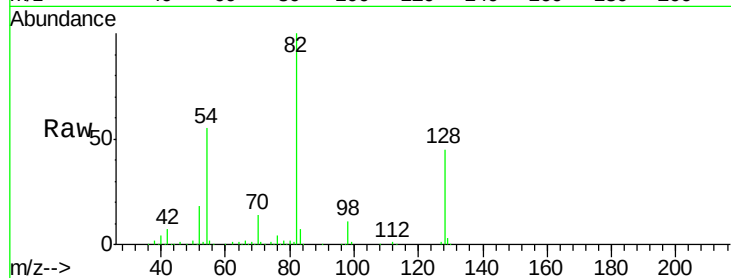




#19
n-Nitroso-di-n-propylamine
Concen: 10.98 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

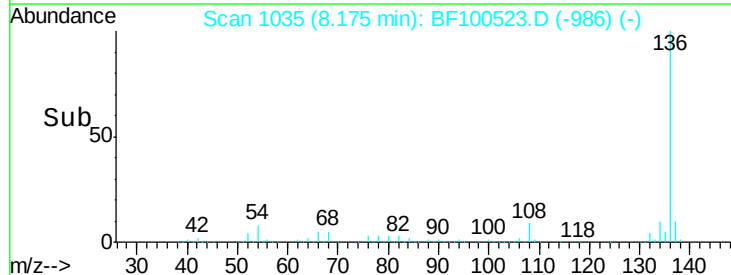
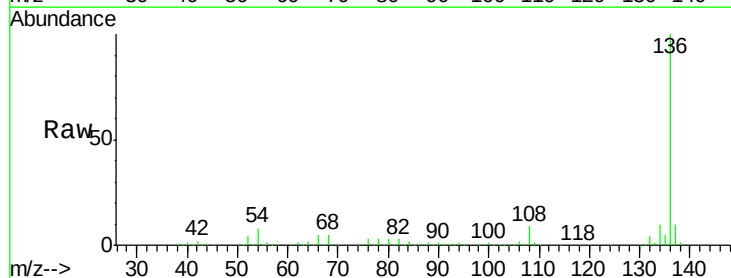
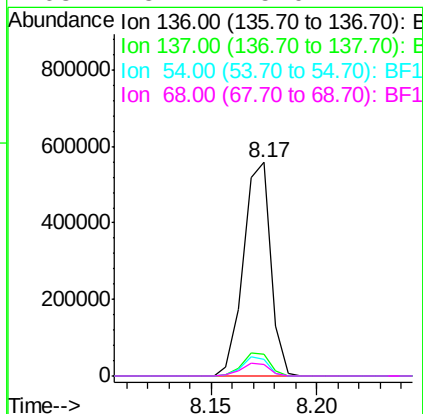
Instrument :
BNA_F
ClientSampleId :

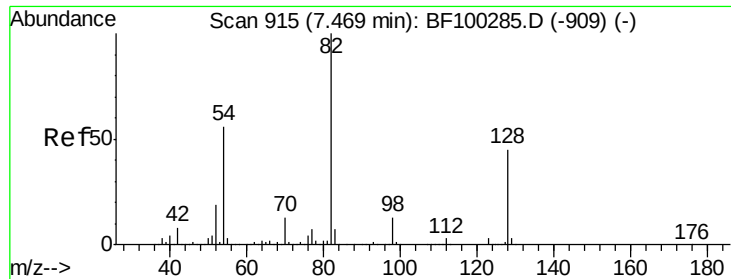
Tot Ion: 70 Resp: 77950
Ion Ratio Lower Upper
70 100
42 49.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Tgt Ion:136 Resp: 501033
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 8.0 6.6 9.8
68 5.4 5.0 7.4

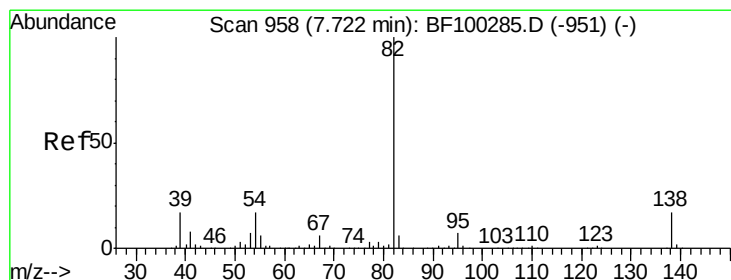
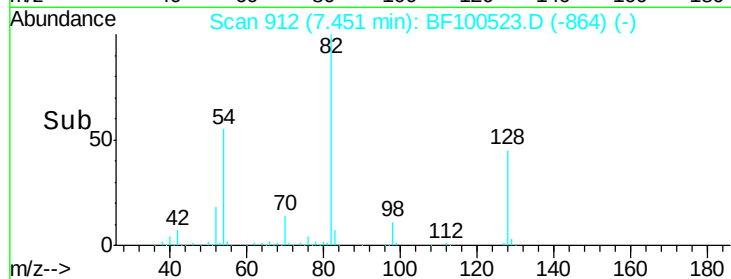
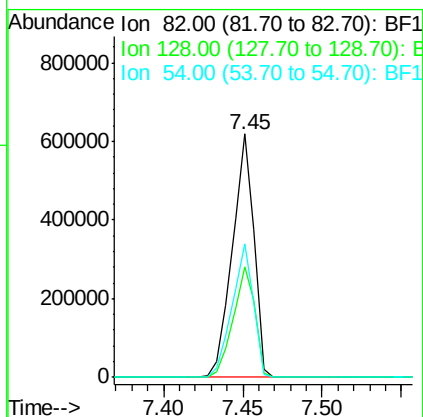
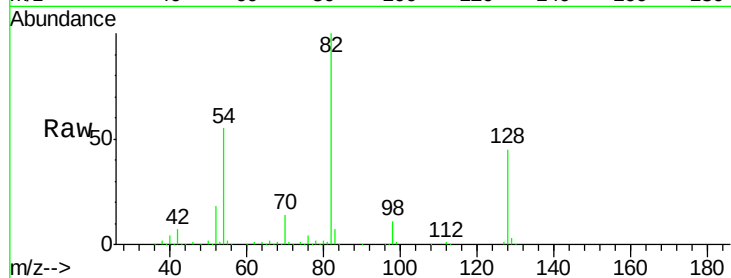




#23
Nitrobenzene-d5
Concen: 77.05 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

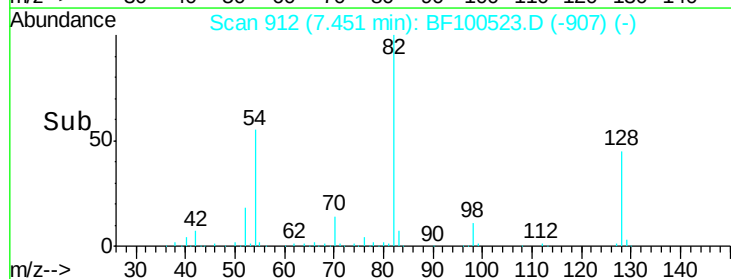
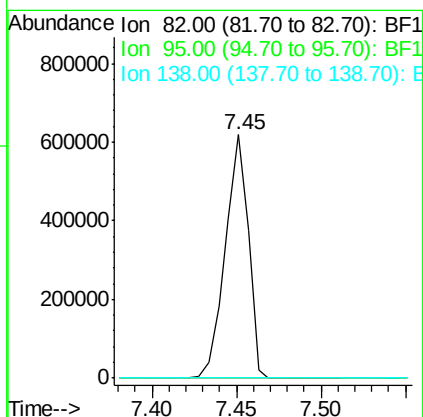
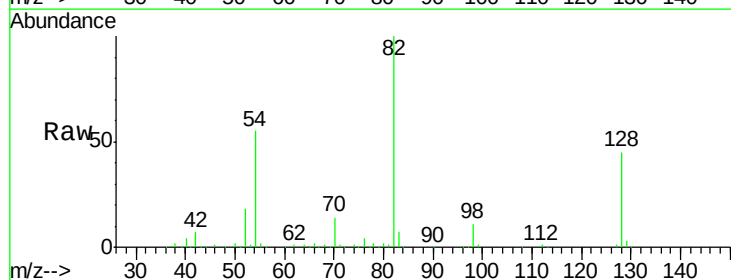
Instrument :
BNA_F
ClientSampleId :

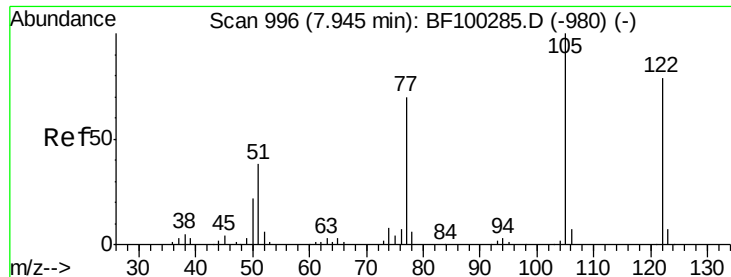
Tot Ion	82	Resp	583950
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	54.6	41.4	62.2



#25
Isophorone
Concen: 36.67 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.27 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Tgt Ion	82	Resp	583943
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

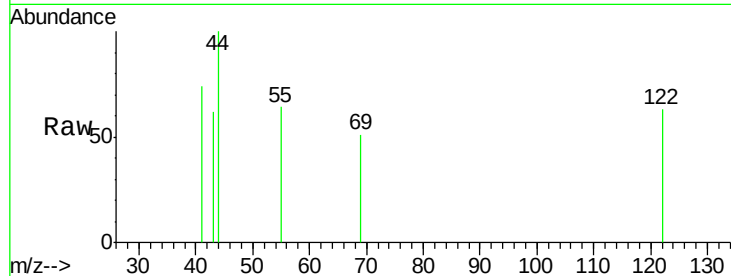




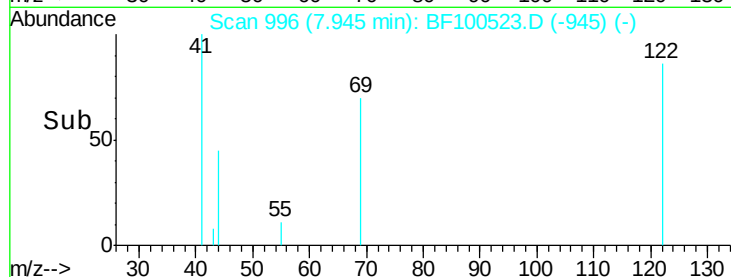
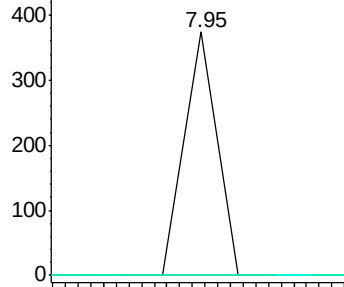
#32
Benzoic acid
Concen: 9.39 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Instrument :
BNA_F
ClientSampleId :

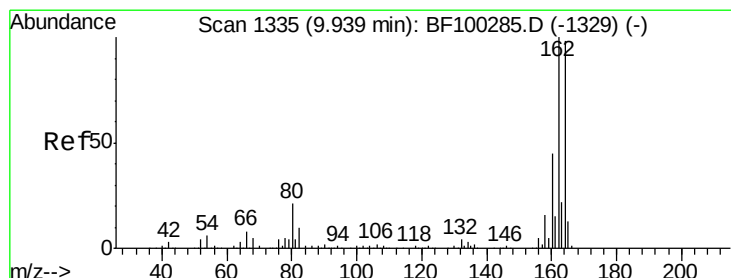
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



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

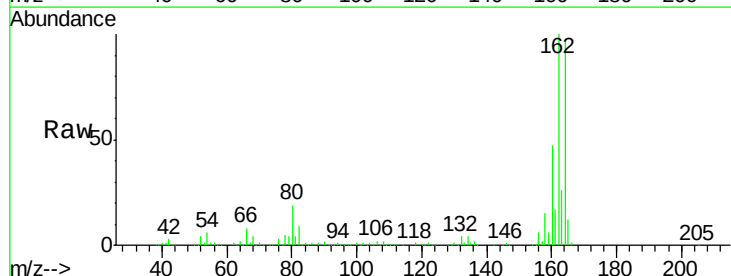


Time-->

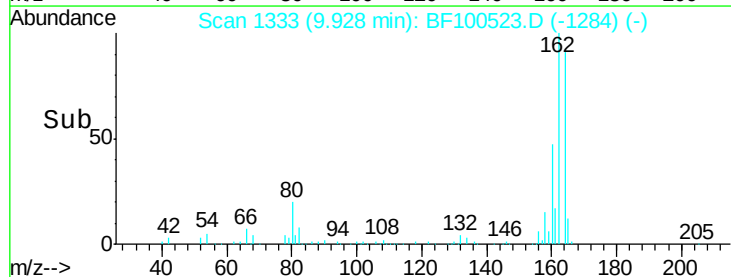
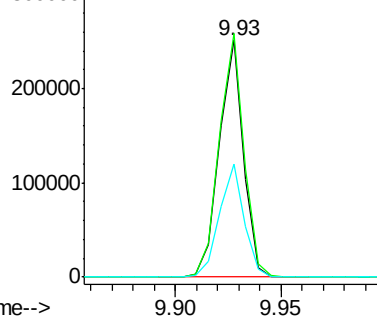


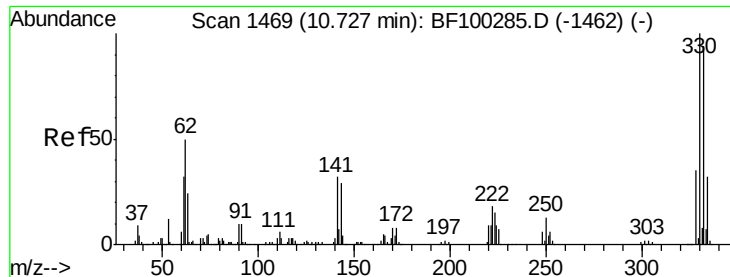
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	48.0	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

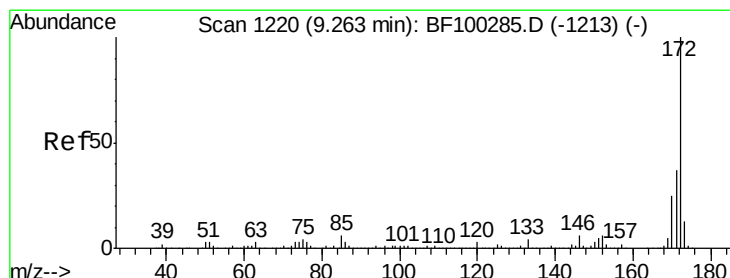
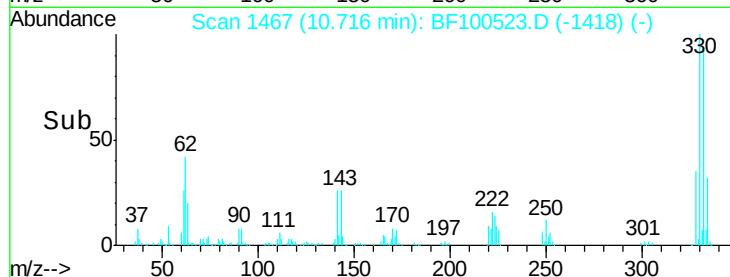
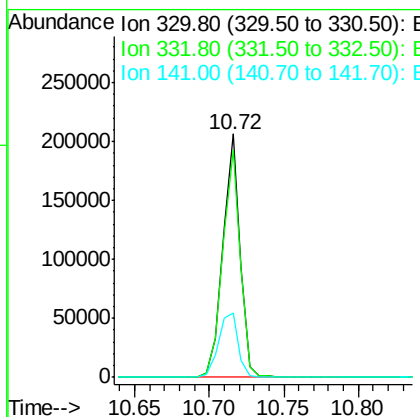
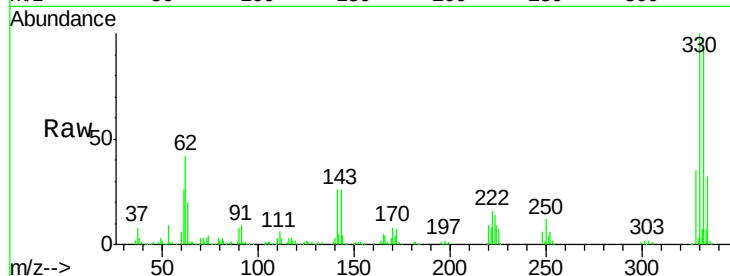




#41
 2,4,6-Tribromophenol
 Concen: 83.33 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

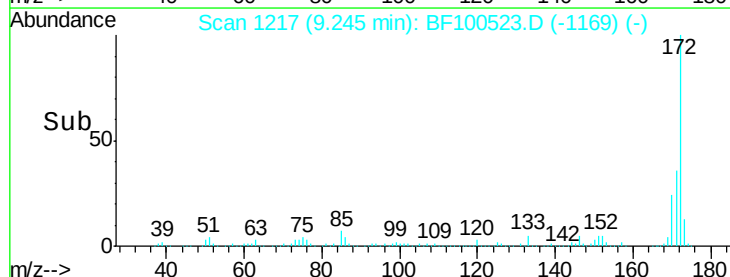
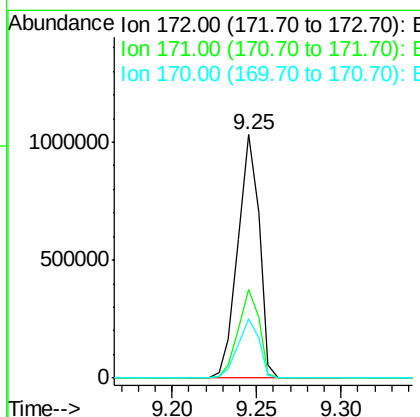
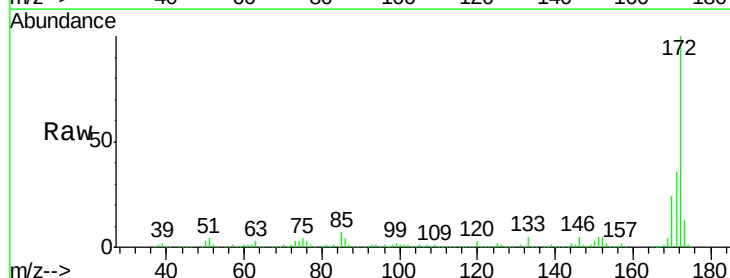
Instrument :
 BNA_F
 ClientSampled :

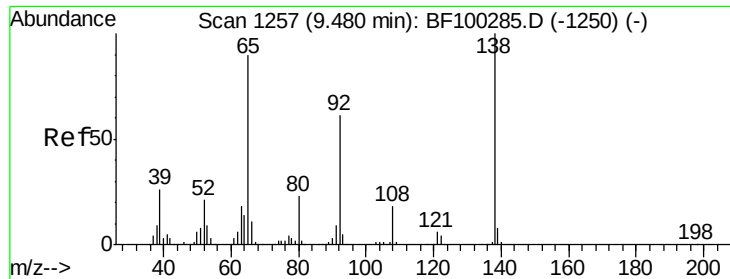
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	30.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 69.80 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	19.6	29.4





#47

2-Nitroaniline

Concen: 2.81 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.14 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampleId :

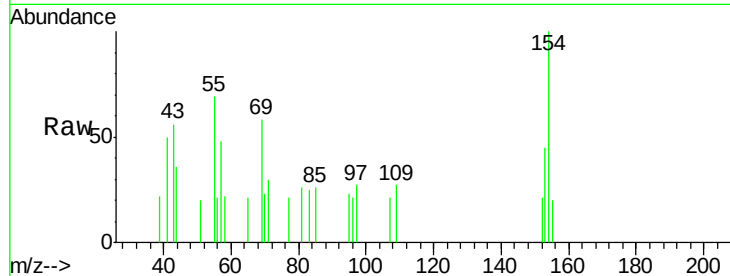
Tot Ion: 65 Resp: 116

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#

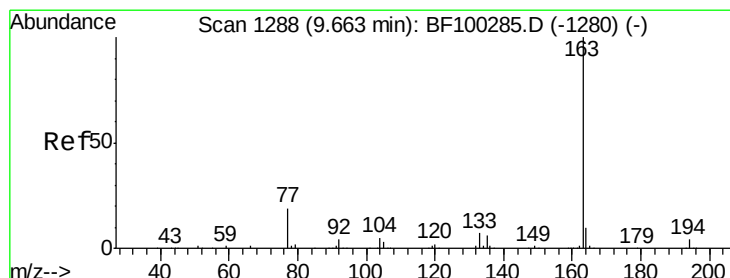
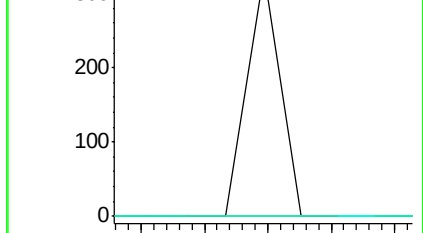
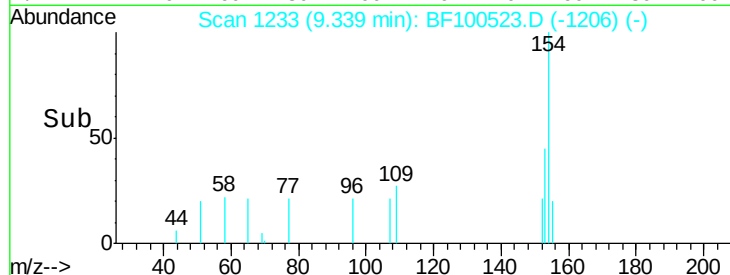


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 11.55 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.03 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

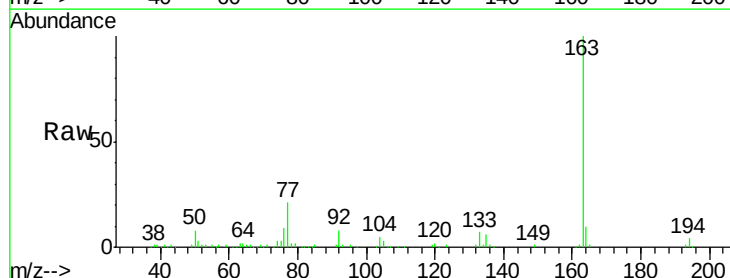
Tgt Ion: 163 Resp: 175238

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 10.0 8.2 12.2

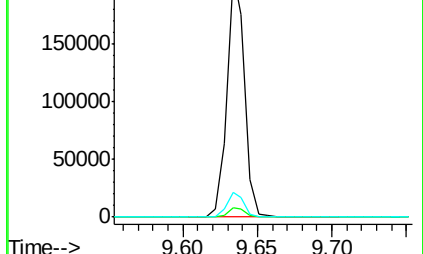
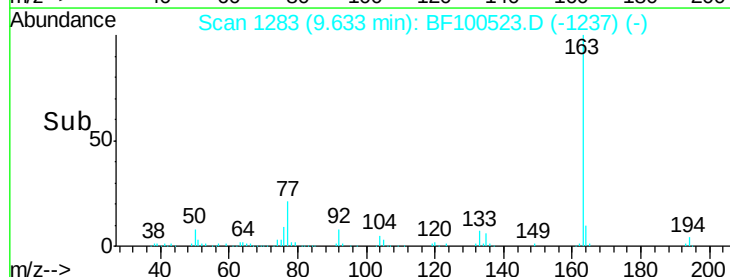


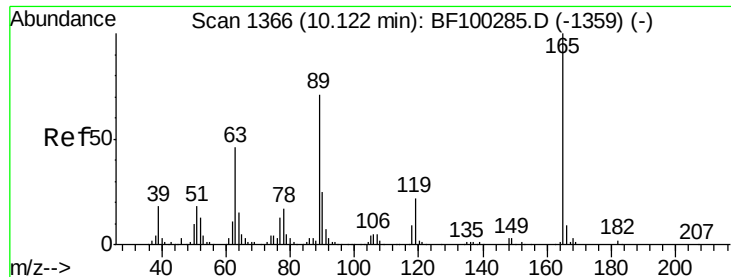
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

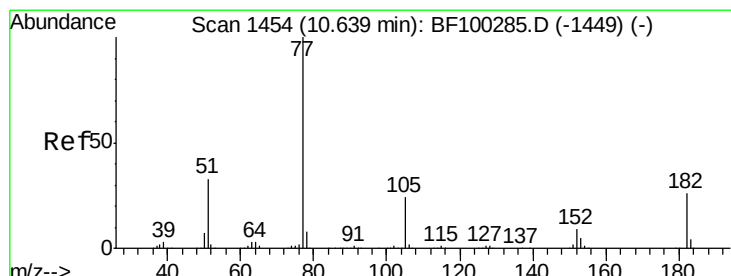
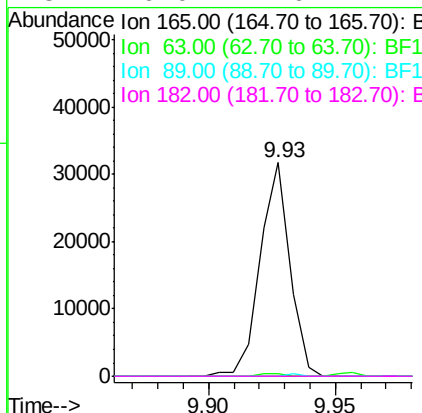
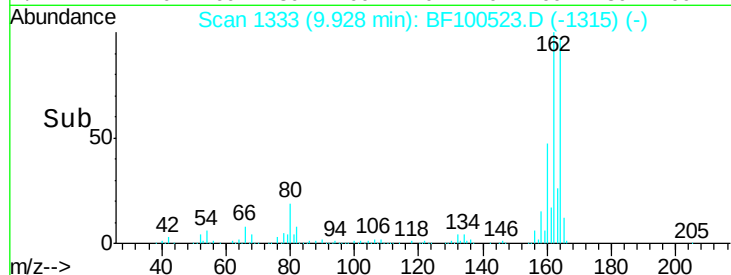
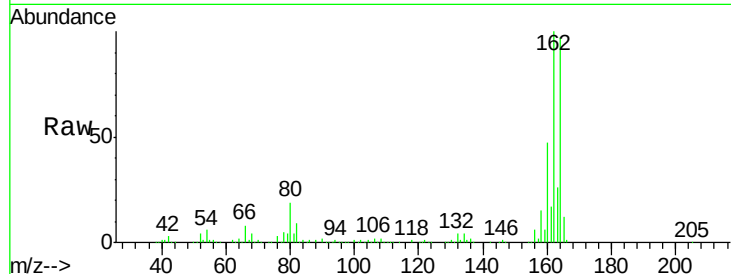




#56
 2,4-Dinitrotoluene
 Concen: 6.80 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

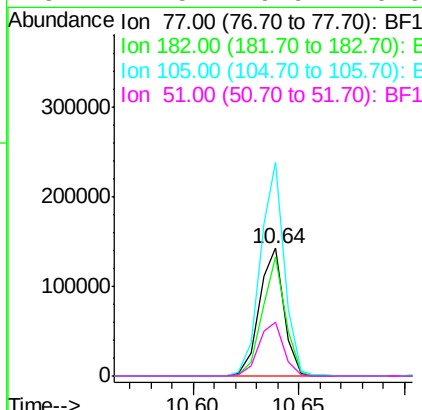
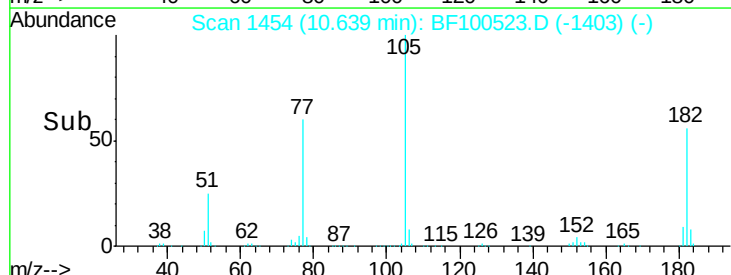
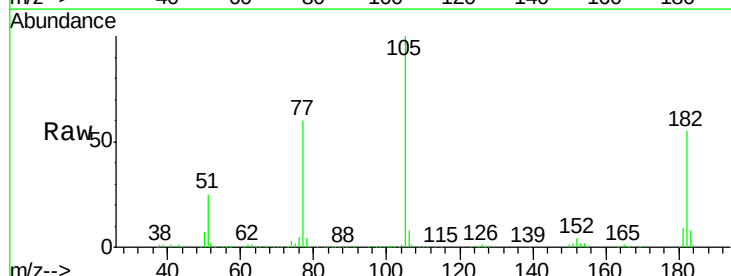
Instrument :
 BNA_F
 ClientSampled :

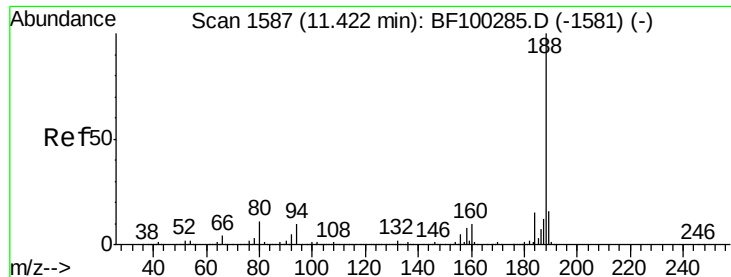
Tot Ion:	165	Resp:	25752
Ion Ratio	Lower	Upper	
165	100		
63	1.3	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 8.07 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Tgt Ion:	77	Resp:	115450
Ion Ratio	Lower	Upper	
77	100		
182	92.9	1.7	41.7#
105	167.6	3.0	43.0#
51	42.5	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampleId :

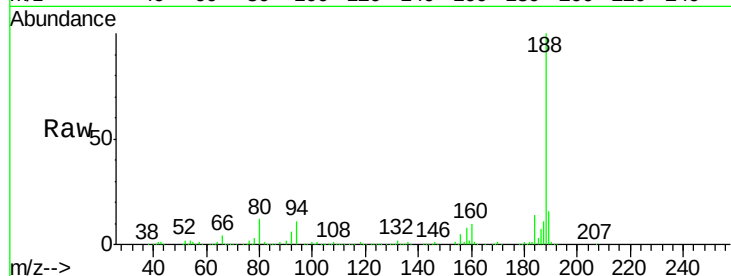
Tot Ion:188 Resp: 300181

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

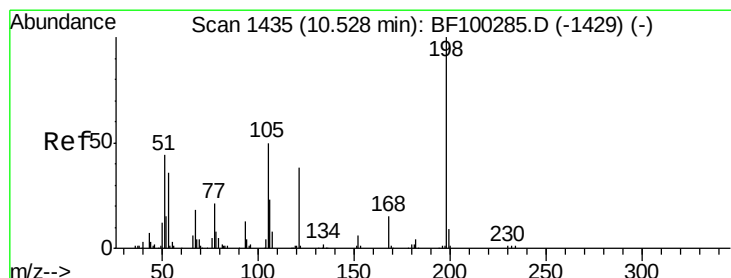
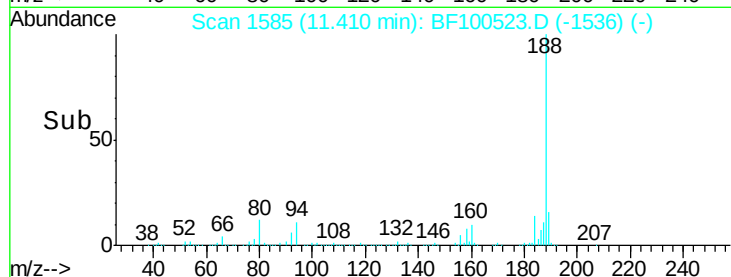
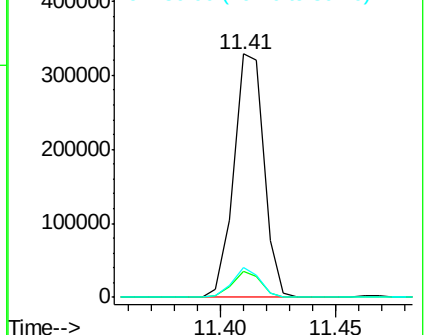
80 12.1 9.2 13.8



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: 8.75 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

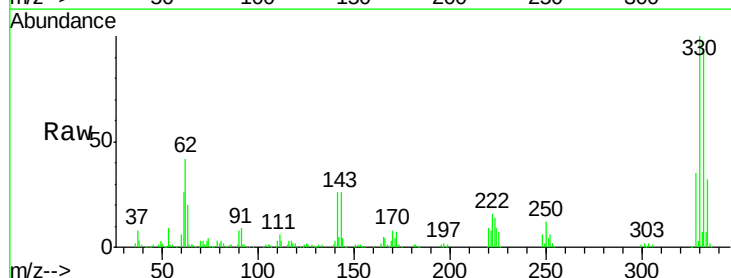
Tgt Ion:198 Resp: 337

Ion Ratio Lower Upper

198 100

51 136.6 37.7 77.7#

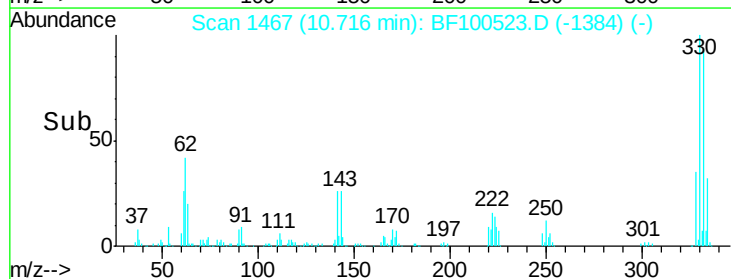
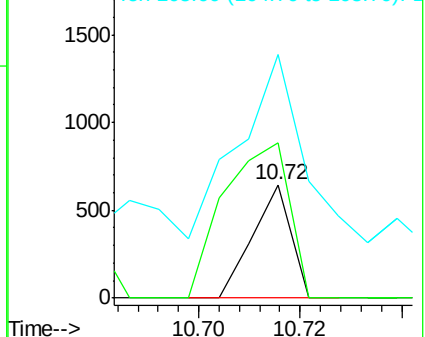
105 215.0 36.3 76.3#

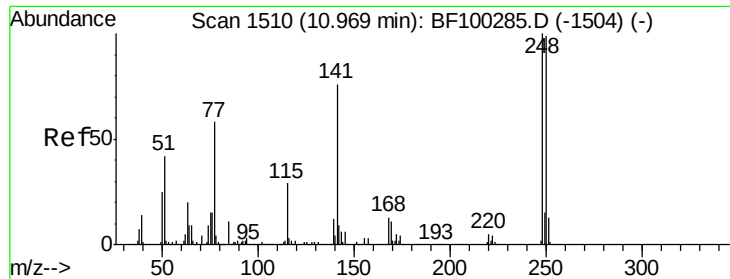


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

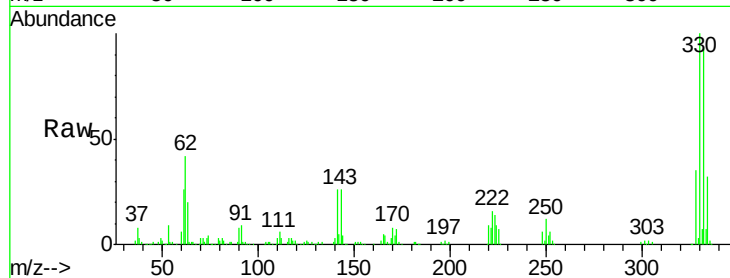




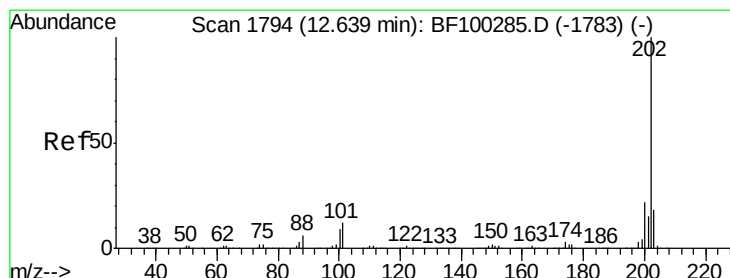
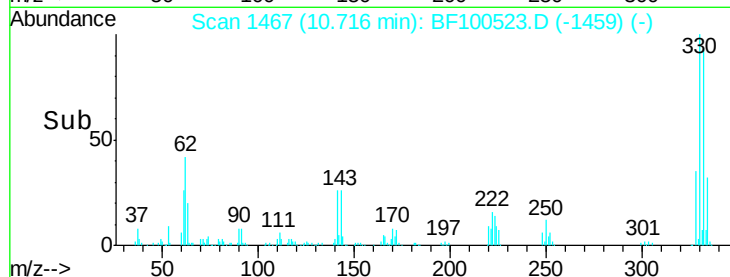
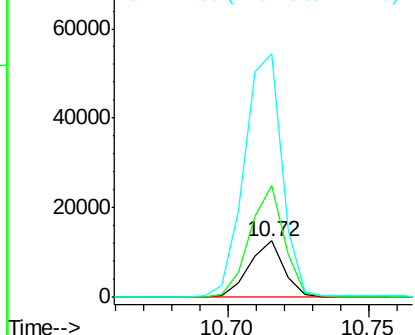
#66
 4-Bromophenyl-phenylether
 Concen: 3.34 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10739
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.9 115.3#
 141 431.7 74.4 111.6#

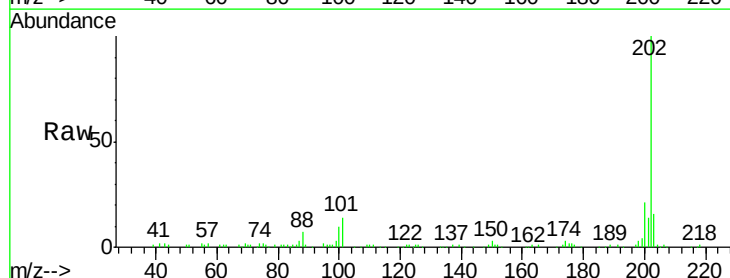


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

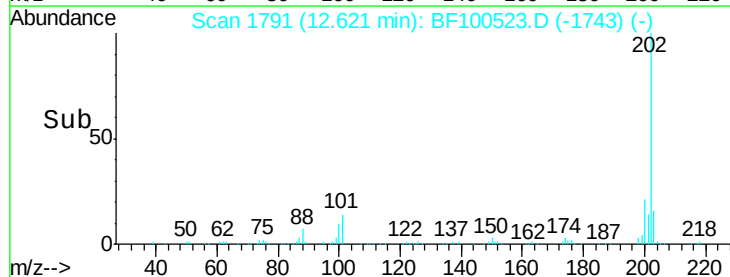
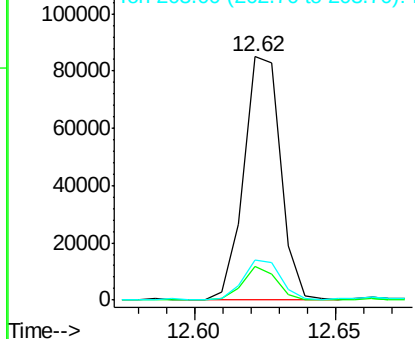


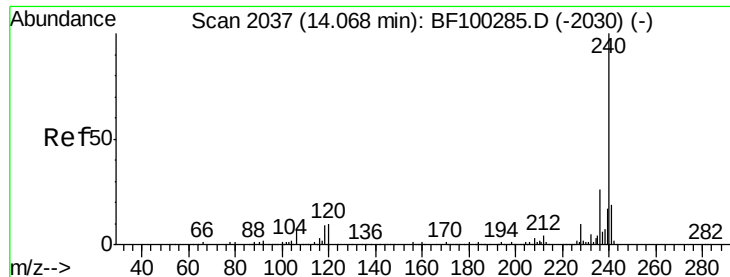
#74
 Fluoranthene
 Concen: 4.60 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.02 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Tgt Ion:202 Resp: 77047
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.1
 203 16.4 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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampleId :

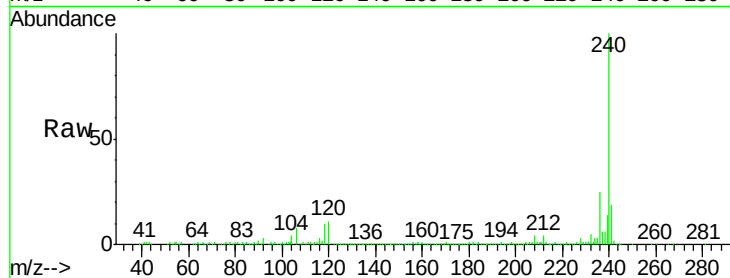
Tot Ion:240 Resp: 277867

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

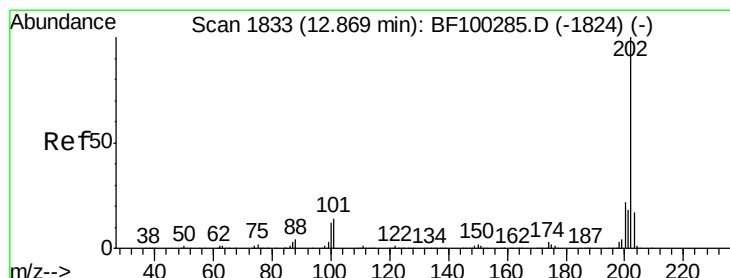
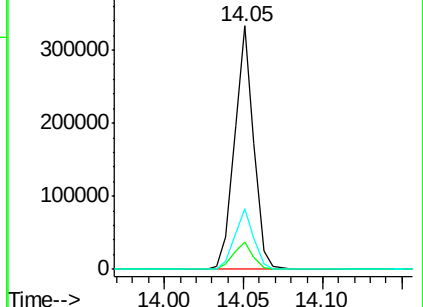
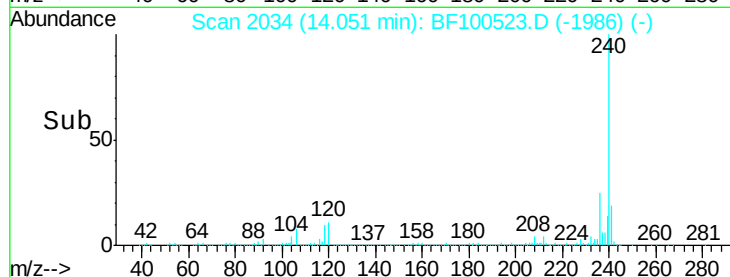
236 25.1 20.7 31.1



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

Pyrene

Concen: 3.66 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

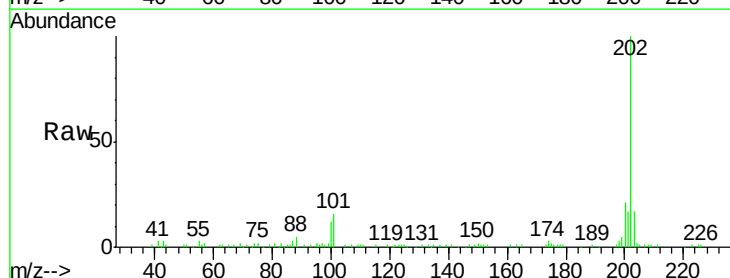
Tgt Ion:202 Resp: 72459

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

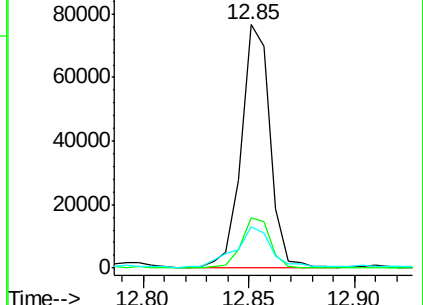
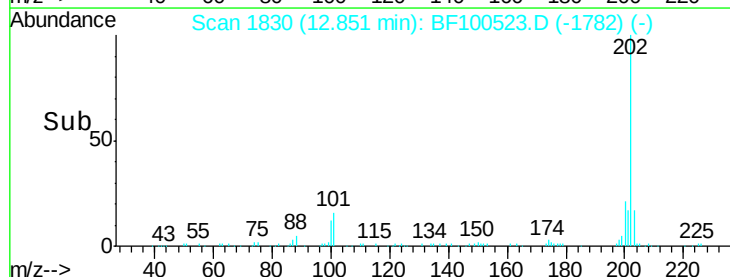
203 17.1 14.3 21.5

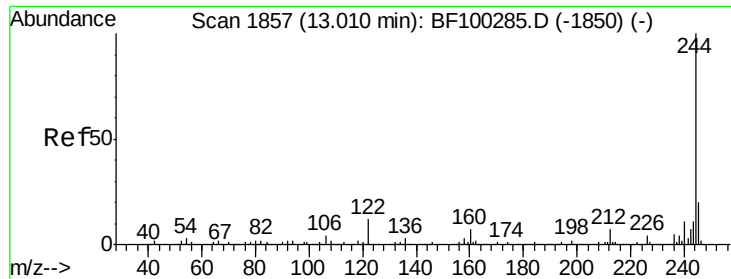


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

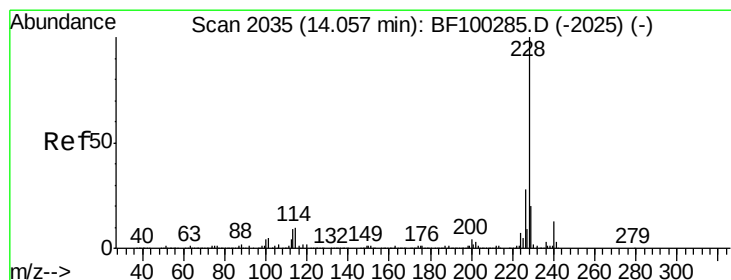
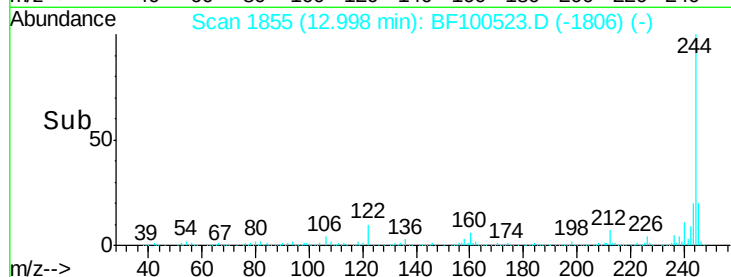
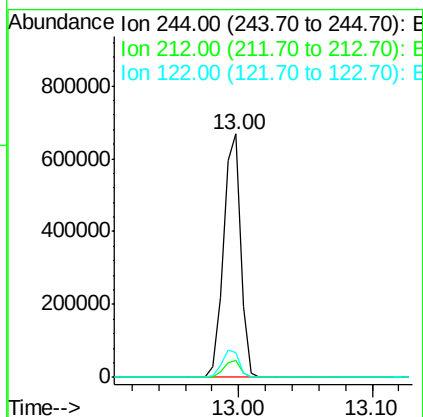
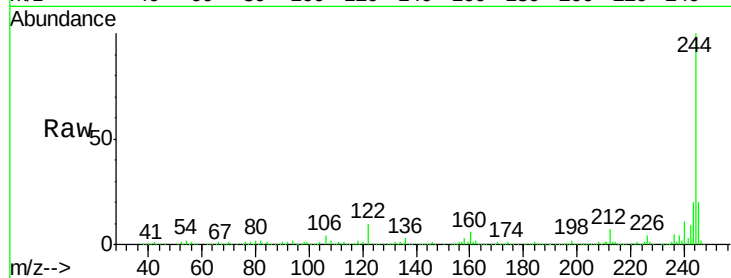




#78
 Terphenyl-d14
 Concen: 50.32 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

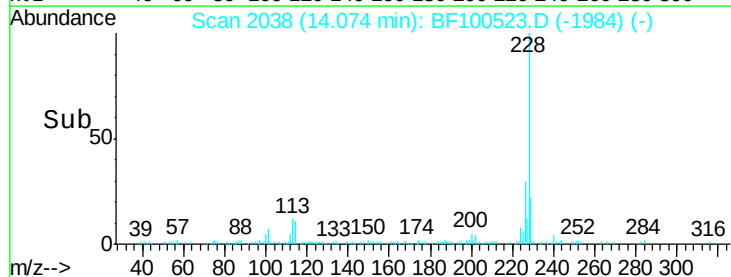
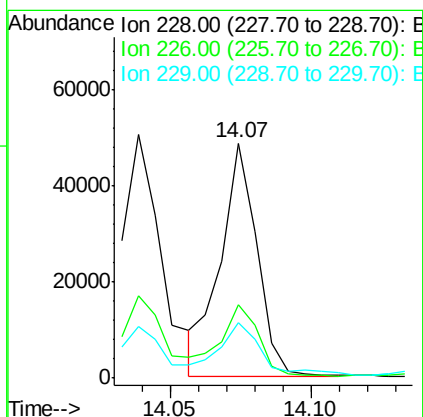
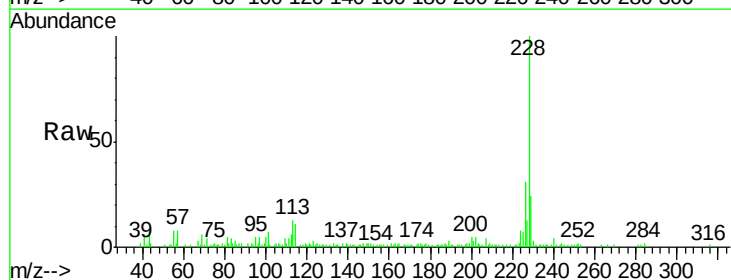
Instrument :
 BNA_F
 ClientSampleId :

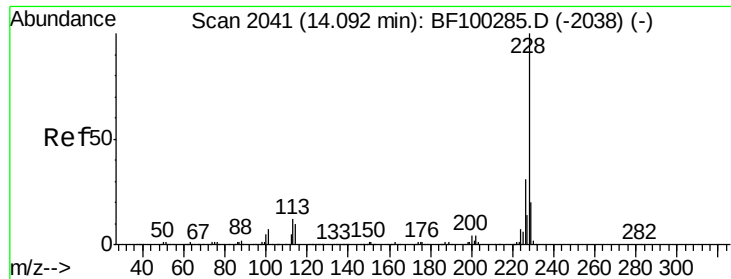
Tot Ion:244 Resp: 608495
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.62 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF100523.D
 Acq: 14 Nov 2017 4:33

Tgt Ion:228 Resp: 43769
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.6 33.8
 229 23.5 15.8 23.6





#82

Chrysene

Concen: 2.70 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.02 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampleId :

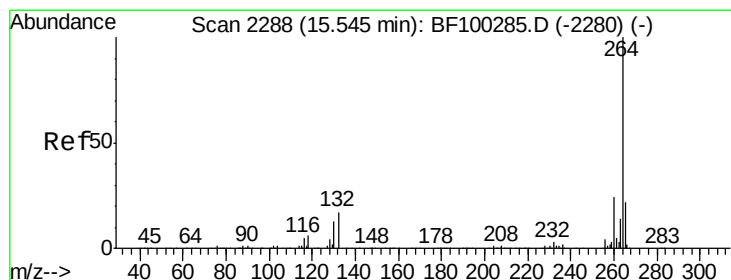
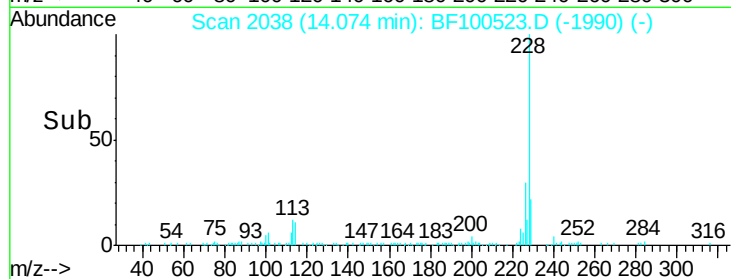
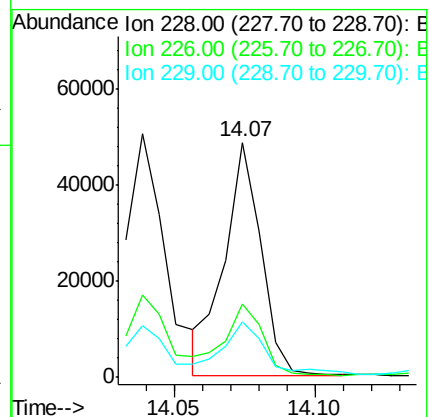
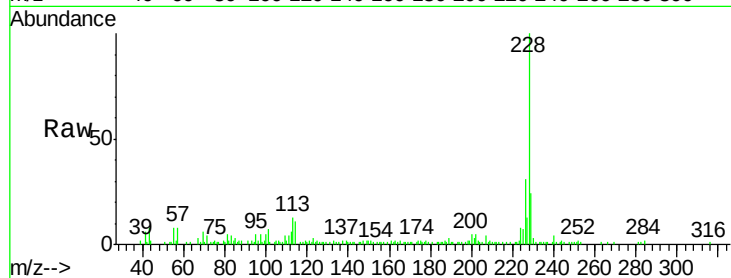
Tot Ion:228 Resp: 43769

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 23.5 16.2 24.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

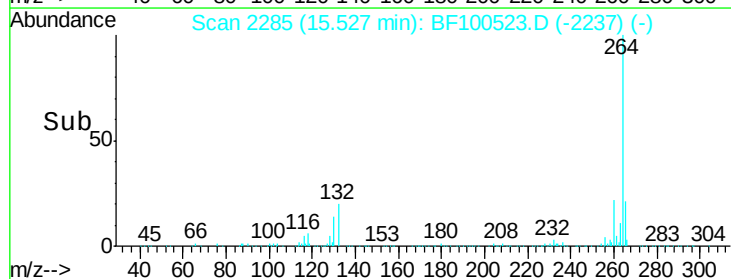
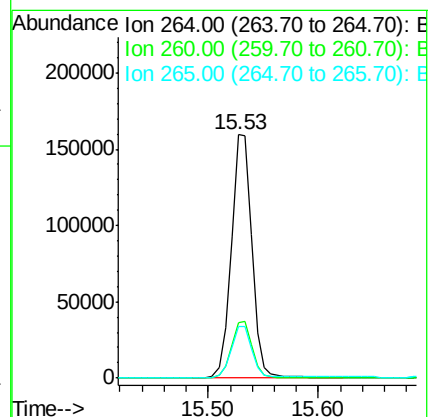
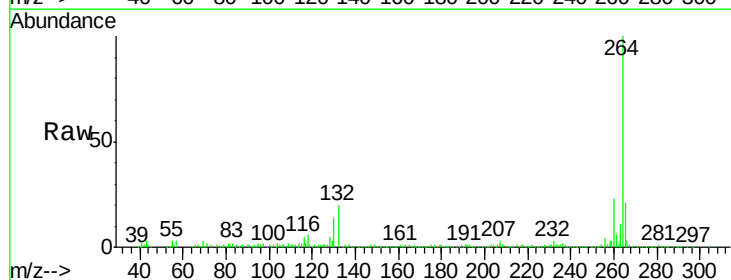
Tgt Ion:264 Resp: 209664

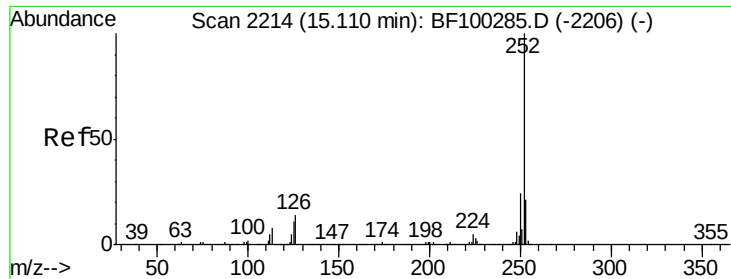
Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 21.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 5.65 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.02 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA_F

ClientSampled :

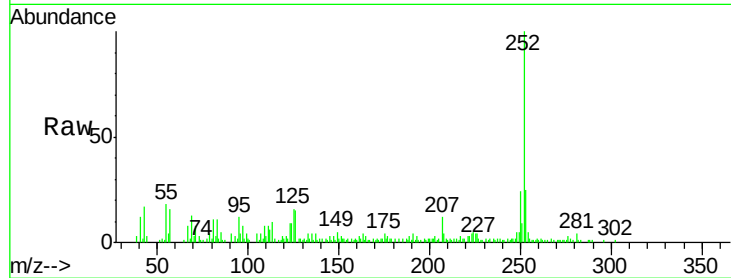
Tot Ion:252 Resp: 70150

Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.6

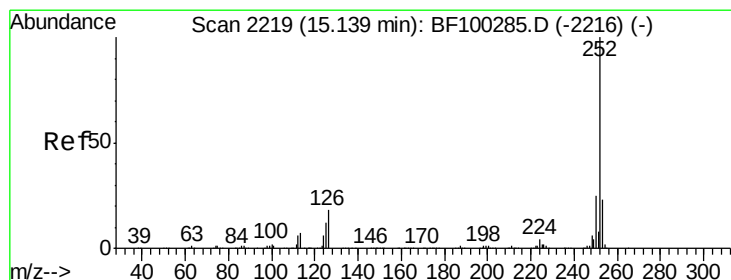
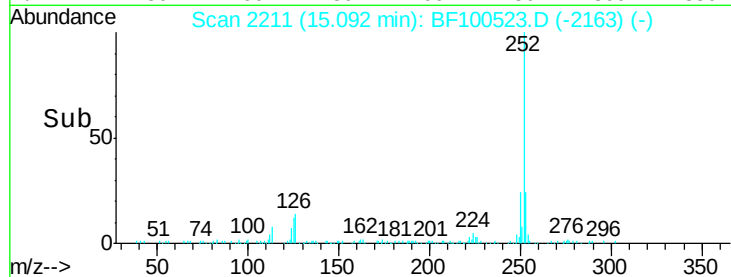
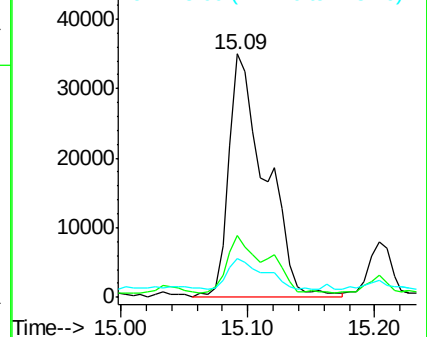
125 15.8 9.0 13.6#



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: 5.98 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.05 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

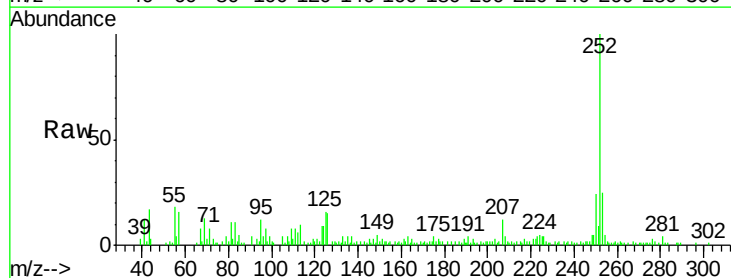
Tgt Ion:252 Resp: 70150

Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

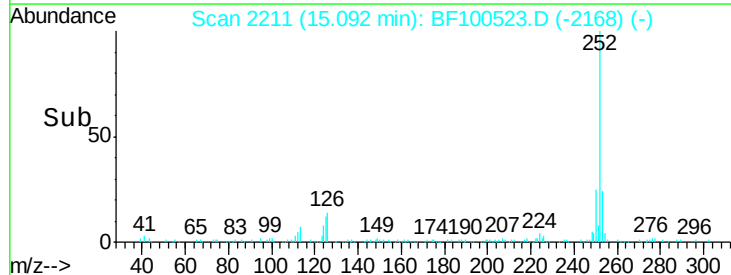
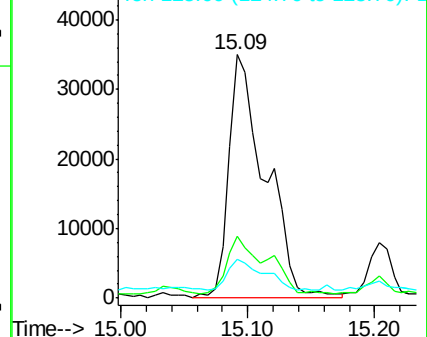
125 15.8 10.2 15.2#

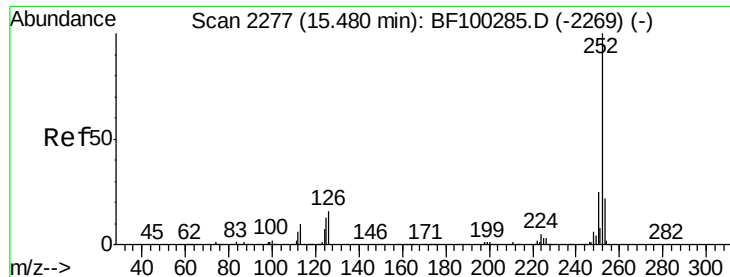


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

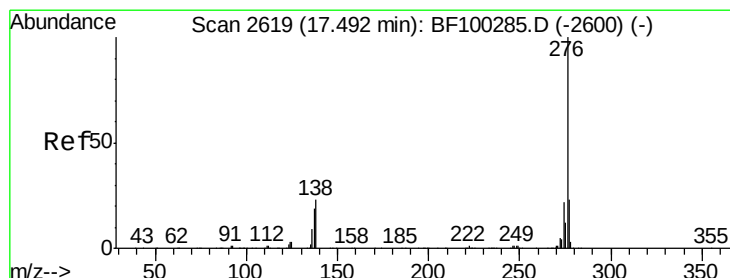
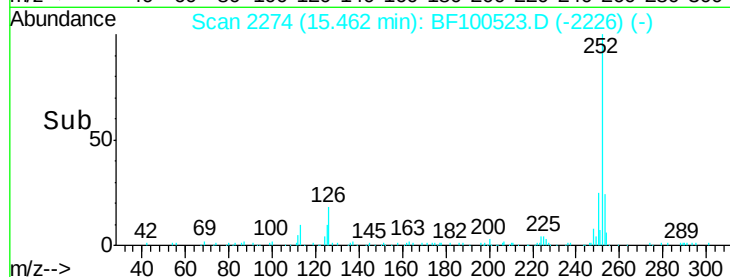
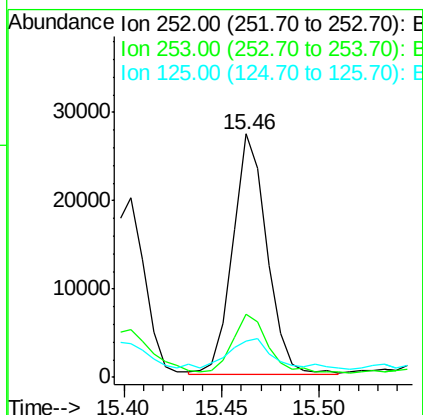
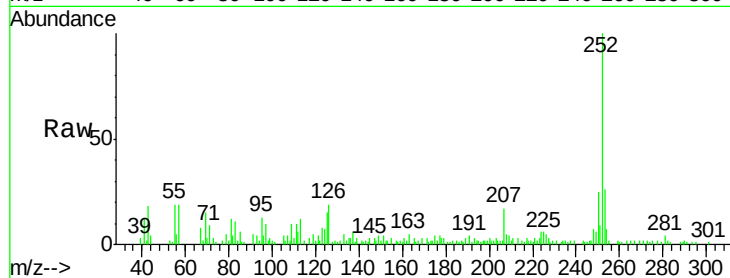




#89
Benzo(a)pyrene
Concen: 3.01 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 33117
Ion Ratio Lower Upper
252 100
253 26.2 17.1 25.7#
125 15.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.11 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.03 min
Lab File: BF100523.D
Acq: 14 Nov 2017 4:33

Tgt Ion:276 Resp: 18585
Ion Ratio Lower Upper
276 100
277 30.5 17.9 26.9#
138 23.8 21.8 32.8

