

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100937.D
 Acq On : 28 Nov 2017 16:46
 Operator : SJ/JU
 Sample : I6579-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 00:38:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

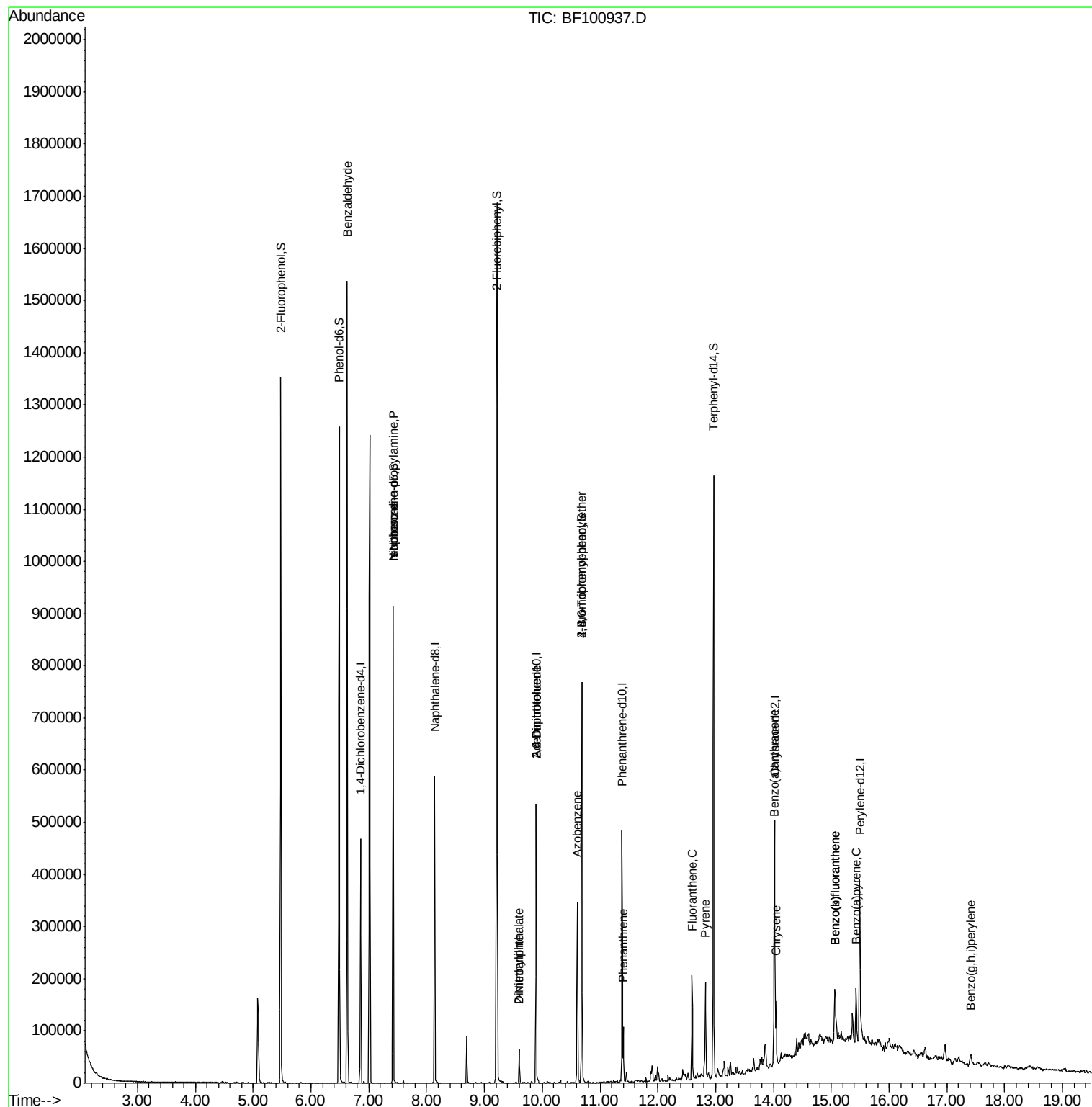
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	64500	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	244735	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	103667	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	165843	20.00	ng	0.00
75) Chrysene-d12	14.02	240	144306	20.00	ng	0.00
86) Perylene-d12	15.49	264	143587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	378742	94.13	ng	0.00
7) Phenol-d6	6.49	99	458816	92.47	ng	0.00
23) Nitrobenzene-d5	7.42	82	277809	75.05	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	101246	95.84	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	524457	77.03	ng	0.00
78) Terphenyl-d14	12.96	244	375594	59.80	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	8471	2.391	ng	88
19) n-Nitroso-di-n-propylamine	7.42	70	37119	10.787	ng	# 80
25) Isophorone	7.42	82	277804	35.712	ng	# 64
47) 2-Nitroaniline	9.60	65	115	2.840	ng	# 1
49) Dimethylphthalate	9.60	163	25856	3.267	ng	# 99
50) 2,6-Dinitrotoluene	9.89	165	13362	8.528	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	13362	6.760	ng	# 22
62) Azobenzene	10.60	77	54381	7.290	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	6680	3.757	ng	# 1
70) Phenanthrene	11.40	178	35980	4.121	ng	97
74) Fluoranthene	12.59	202	74549	8.056	ng	96
77) Pylene	12.82	202	74518	7.244	ng	99
80) Benzo(a)anthracene	14.01	228	50644	5.828	ng	98
82) Chrysene	14.05	228	44901	5.336	ng	97
87) Benzo(b)fluoranthene	15.06	252	70994	8.346	ng	95
88) Benzo(k)fluoranthene	15.06	252	70994	8.833	ng	96
89) Benzo(a)pyrene	15.43	252	39444	5.230	ng	96
91) Benzo(g,h,i)perylene	17.42	276	17963	2.975	ng	# 86

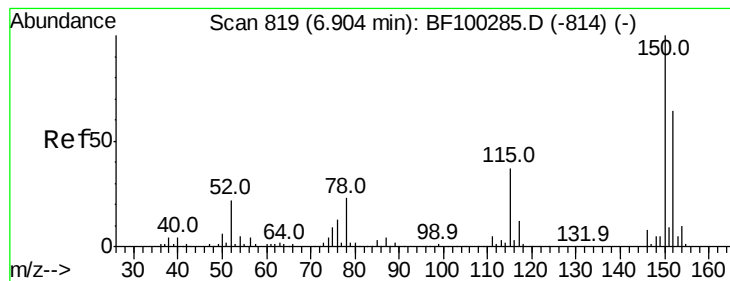
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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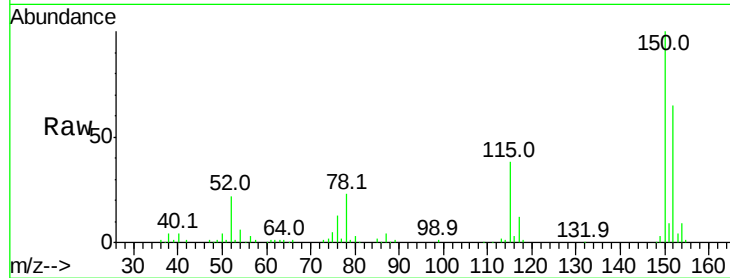


#1

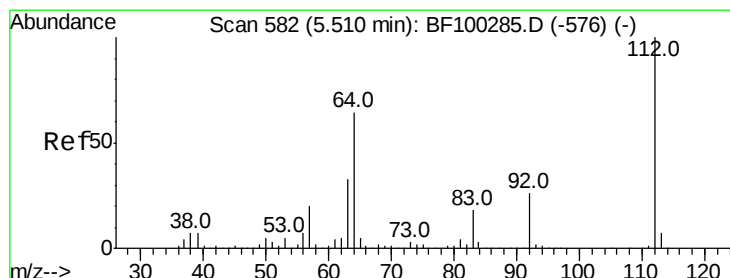
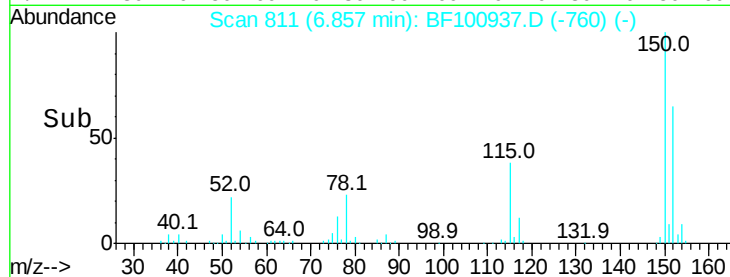
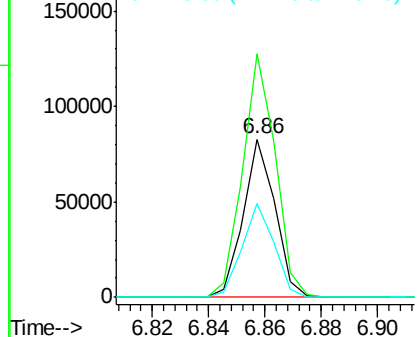
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64500
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 59.0 50.1 75.1



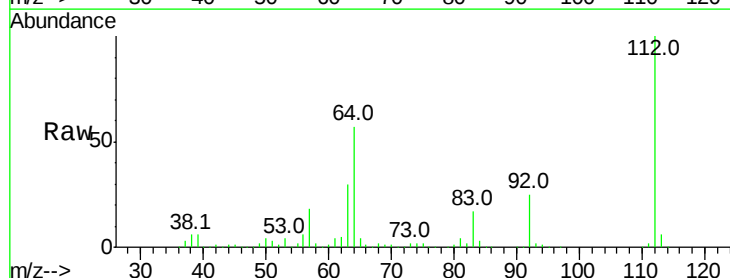
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



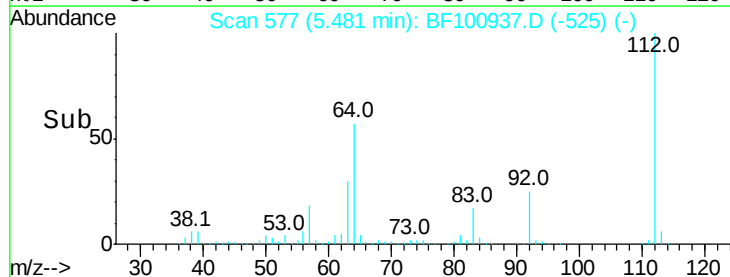
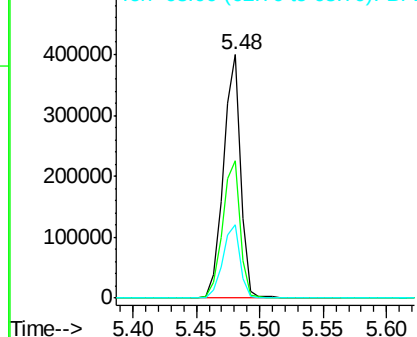
#5

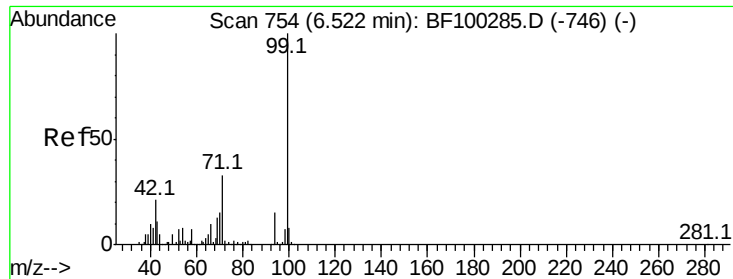
2-Fluorophenol
Concen: 94.127 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion:112 Resp: 378742
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 30.2 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: 92.470 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

Instrument :

BNA_F

ClientSampled :

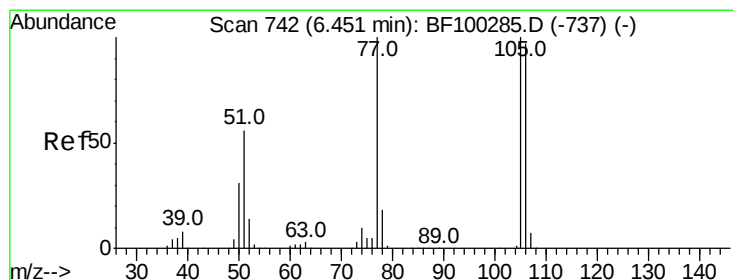
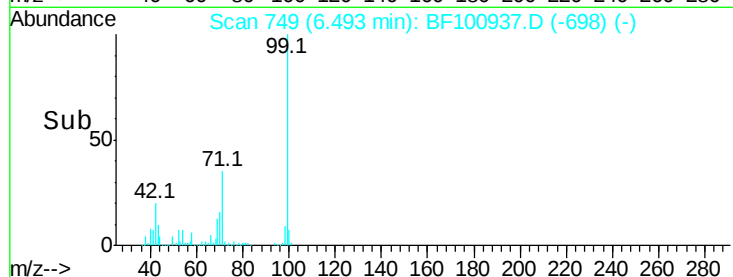
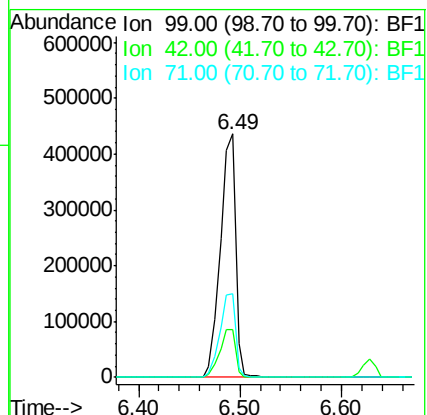
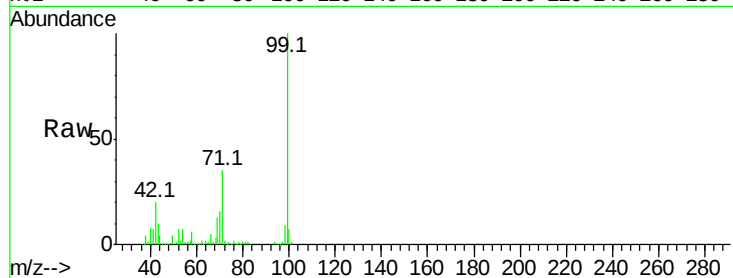
Tot Ion: 99 Resp: 458816

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 34.6 25.4 38.0



#9

Benzaldehyde

Concen: 2.391 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

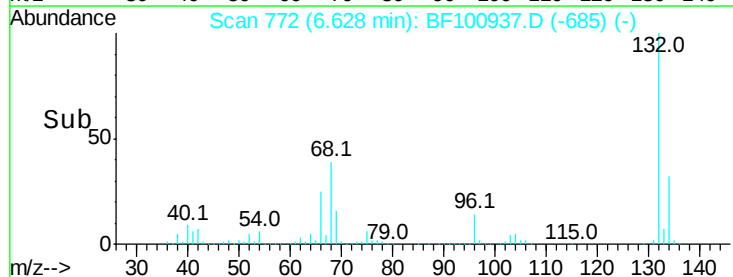
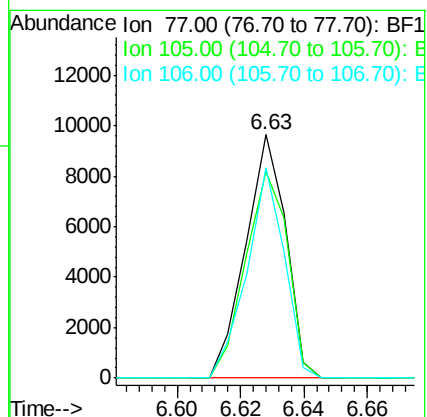
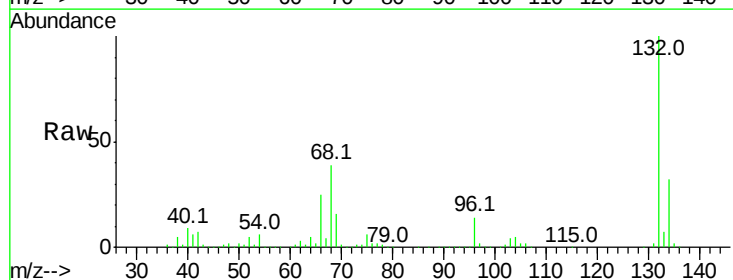
Tgt Ion: 77 Resp: 8471

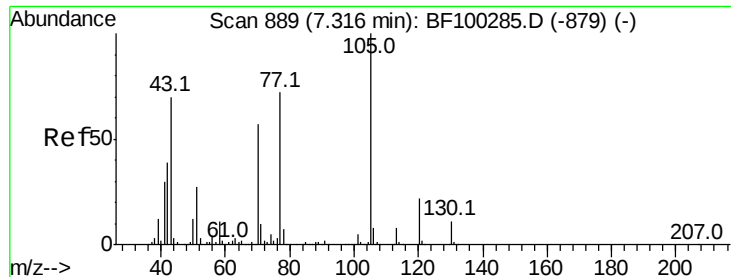
Ion Ratio Lower Upper

77 100

105 84.8 81.1 121.1

106 86.4 74.5 114.5

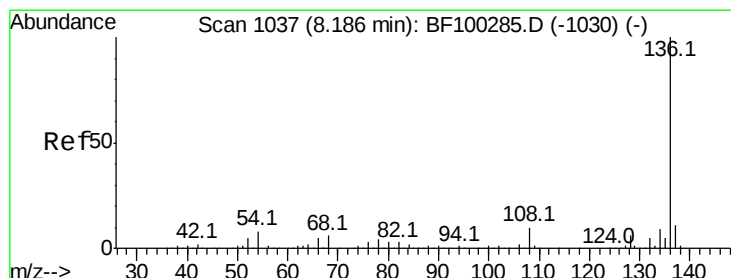
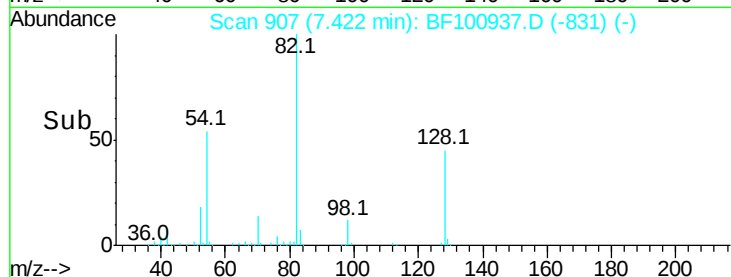
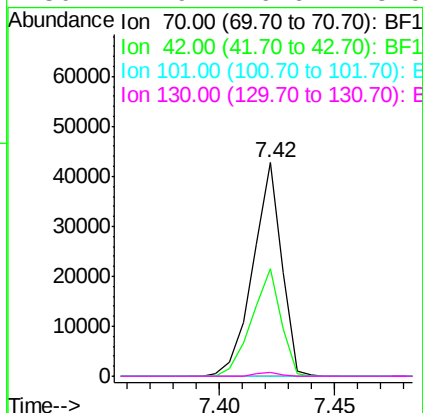
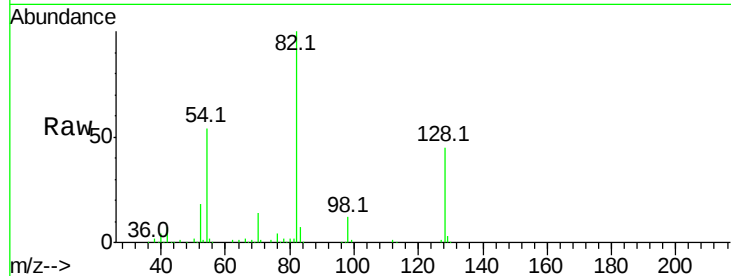




#19
n-Nitroso-di-n-propylamine
Concen: 10.787 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

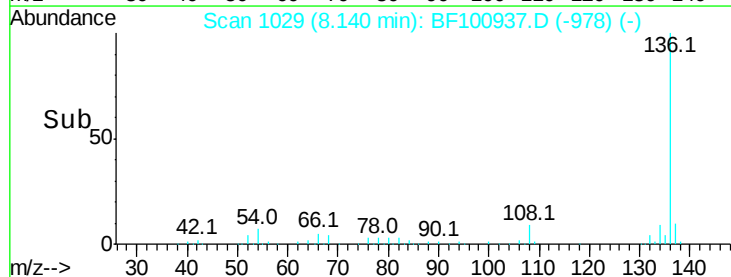
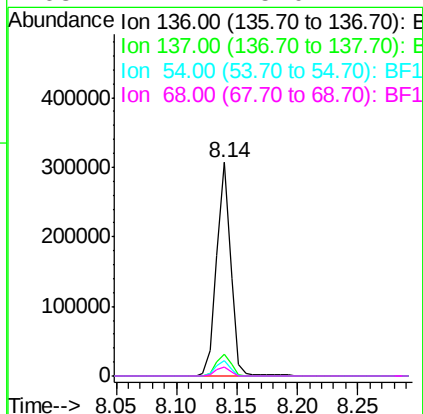
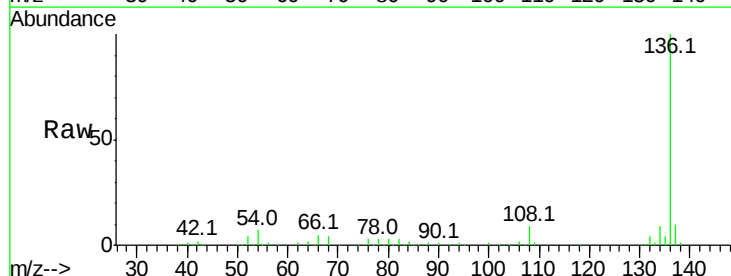
Instrument :
BNA_F
ClientSampleId :

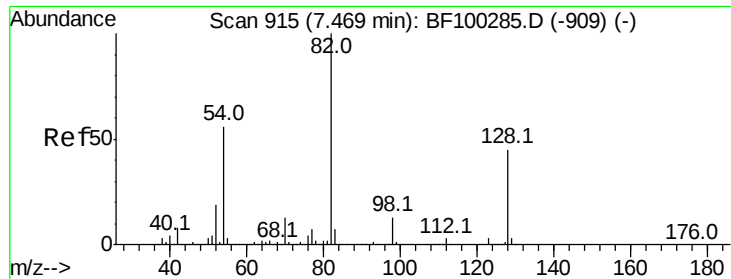
Tot Ion: 70 Resp: 37119
Ion Ratio Lower Upper
70 100
42 50.3 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion: 136 Resp: 244735
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 7.3 6.6 9.8
68 4.4 5.0 7.4#

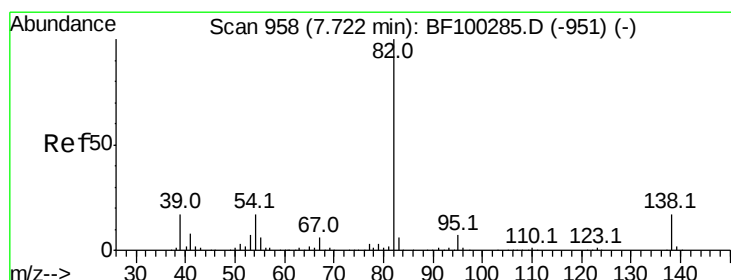
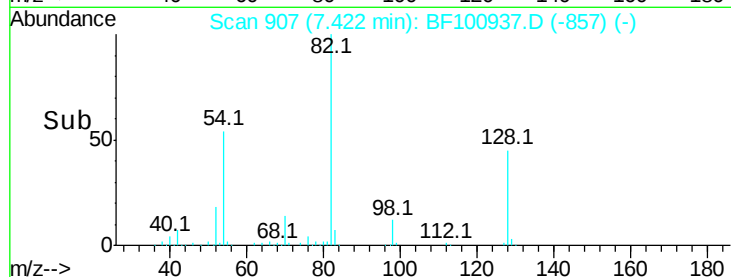
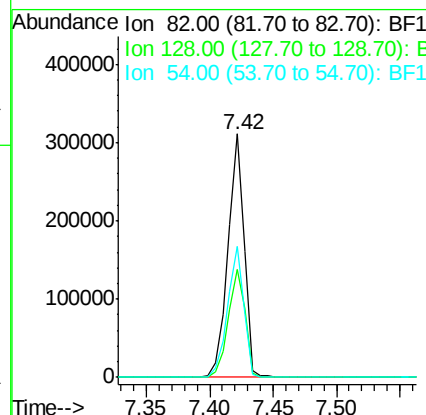
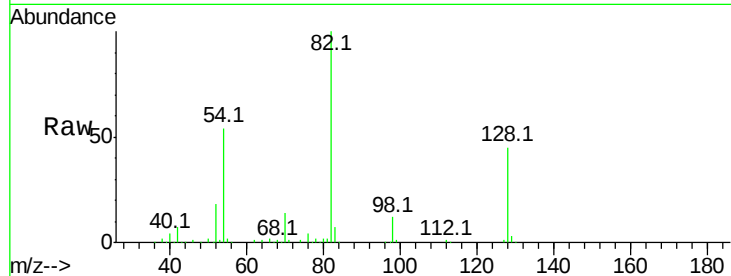




#23
 Nitrobenzene-d5
 Concen: 75.048 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

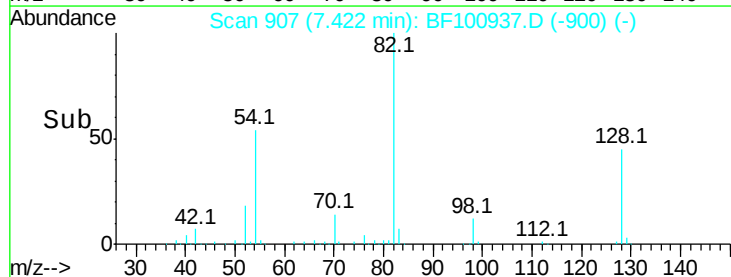
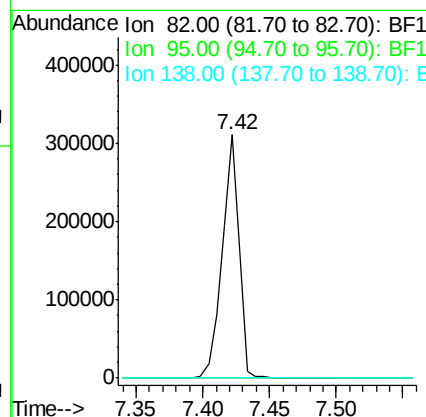
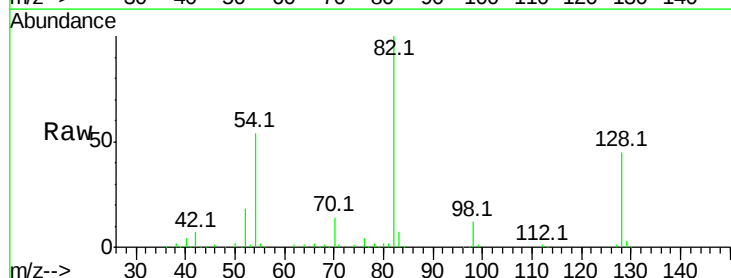
Instrument :
 BNA_F
 ClientSampleId :

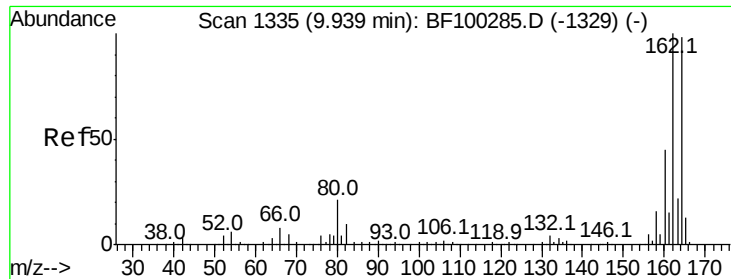
Tot Ion	82	Resp	277809
Ion Ratio	100	Lower	Upper
128	44.5	36.1	54.1
54	53.6	41.4	62.2



#25
 Isophorone
 Concen: 35.712 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Tgt Ion	82	Resp	277804
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

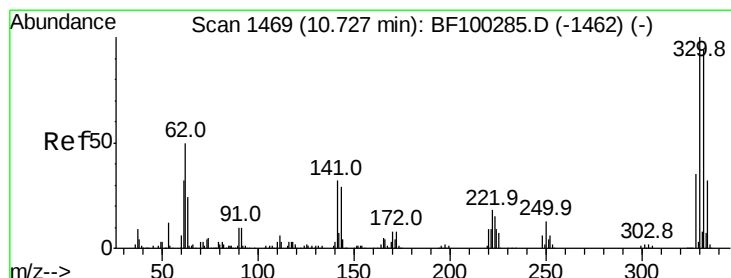
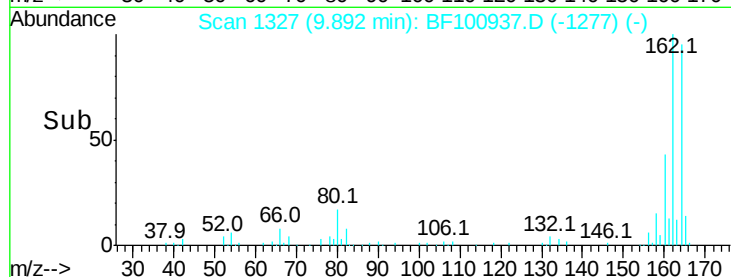
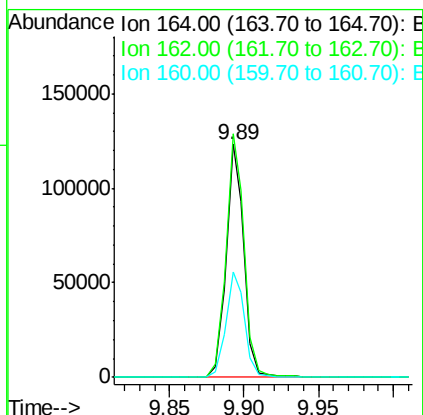
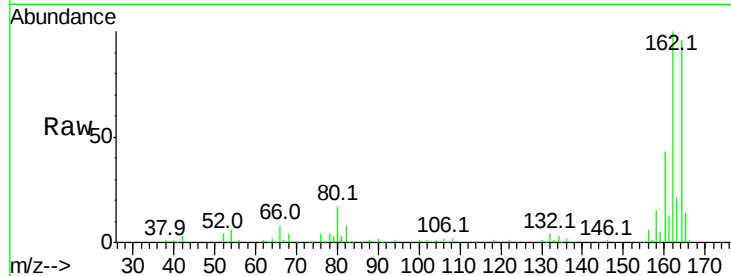




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

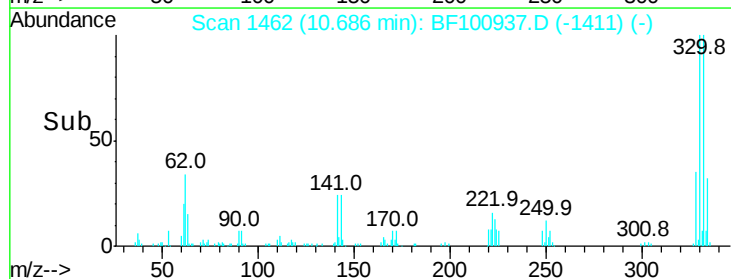
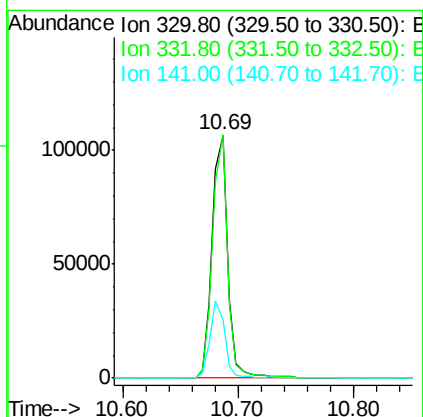
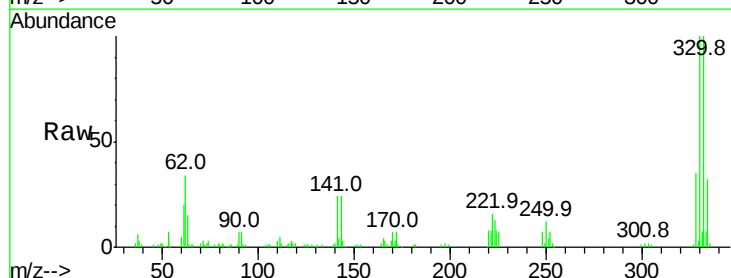
Instrument :
BNA_F
ClientSampleId :

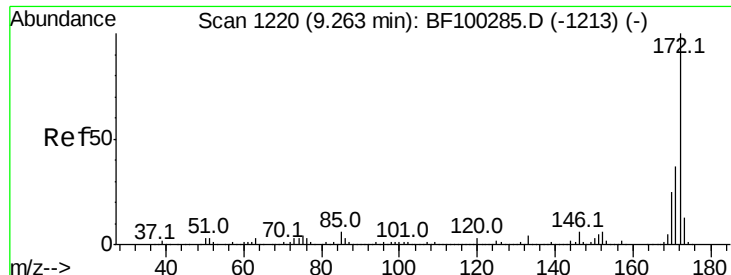
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	45.1	38.3	57.5



#41
2,4,6-Tribromophenol
Concen: 95.844 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	30.1	29.9	44.9

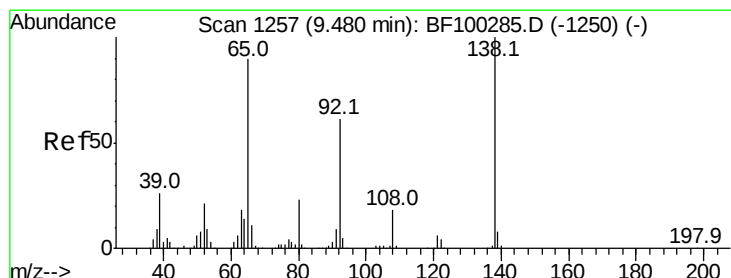
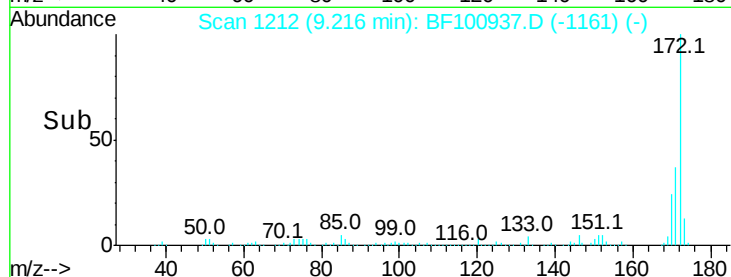
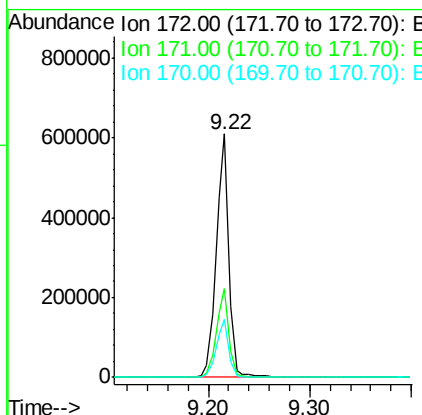
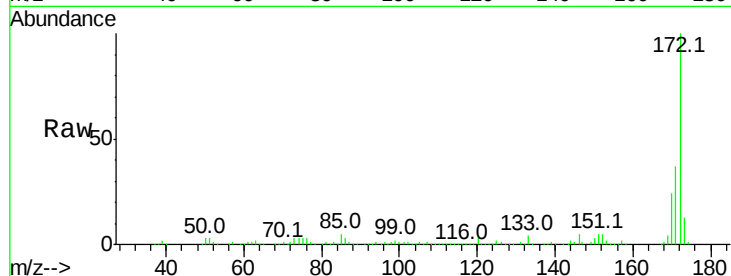




#44
2-Fluorobiphenyl
Concen: 77.035 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

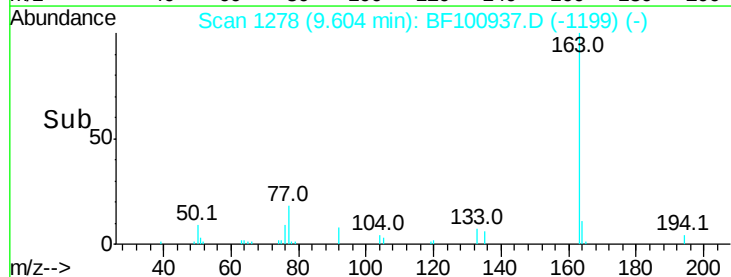
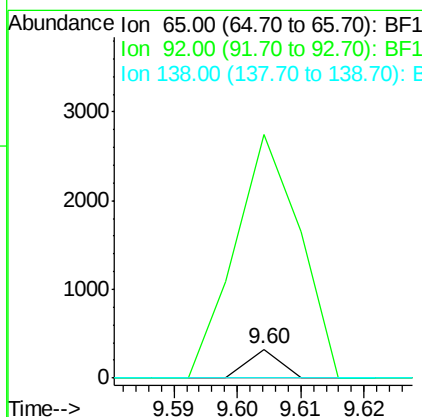
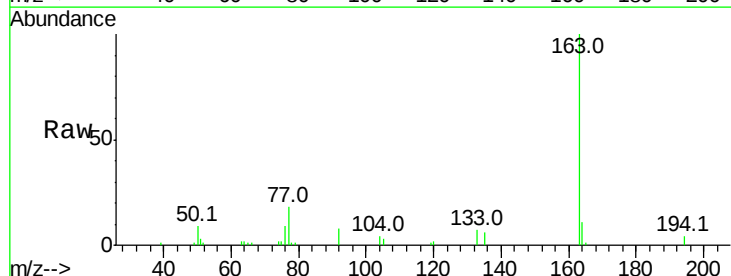
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ClientSampleId :

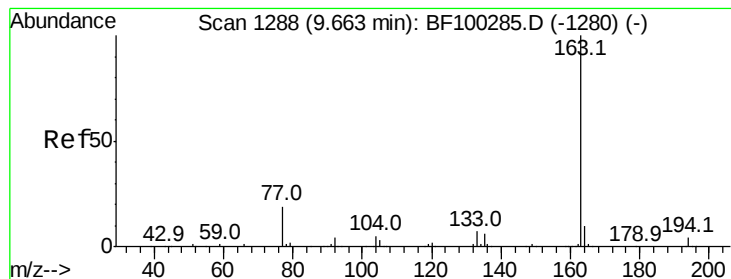
Tot Ion:172 Resp: 524457
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 23.6 19.6 29.4



#47
2-Nitroaniline
Concen: 2.840 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.16 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion: 65 Resp: 115
Ion Ratio Lower Upper
65 100
92 844.3 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 3.267 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

Instrument :

BNA_F

ClientSampleId :

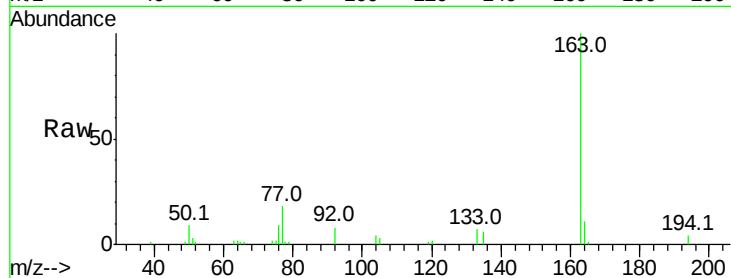
Tot Ion:163 Resp: 25856

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

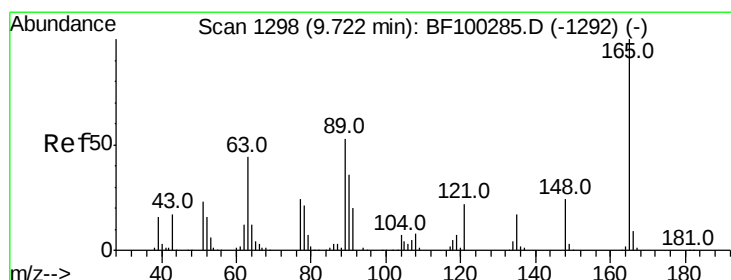
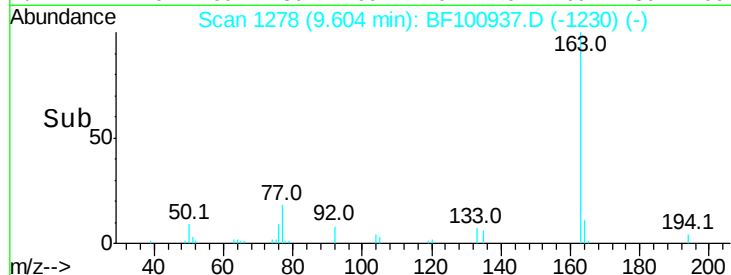
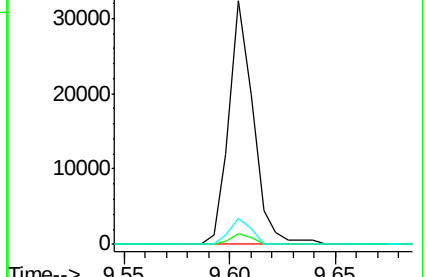
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.528 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

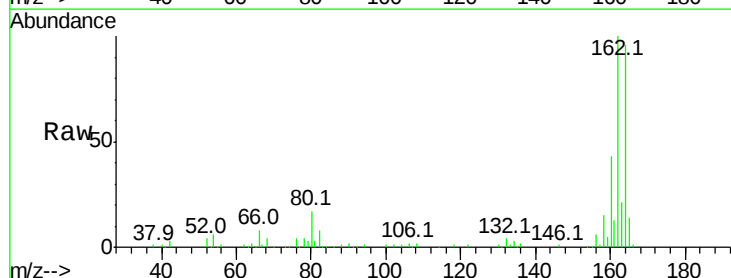
Tgt Ion:165 Resp: 13362

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

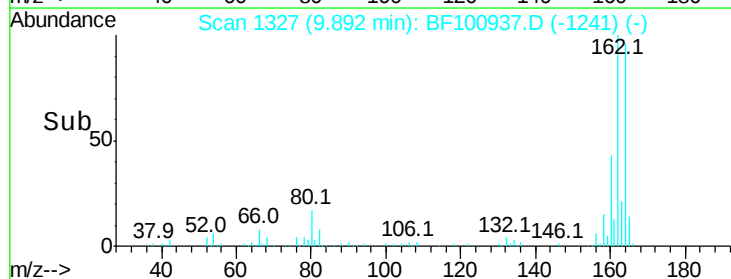
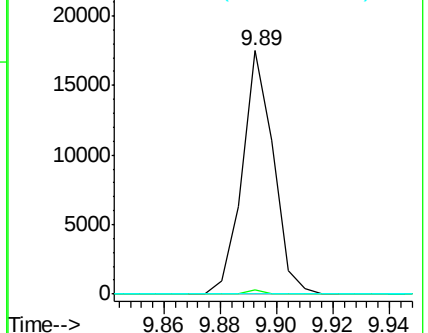
89 0.0 44.0 66.0#

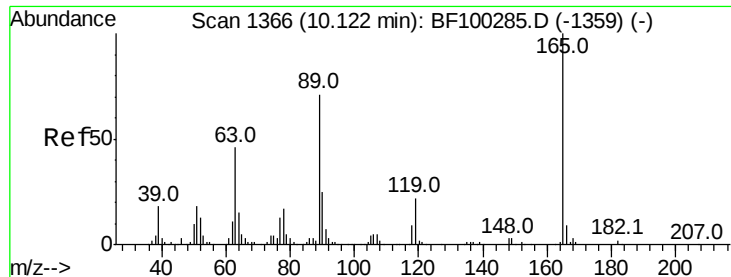


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

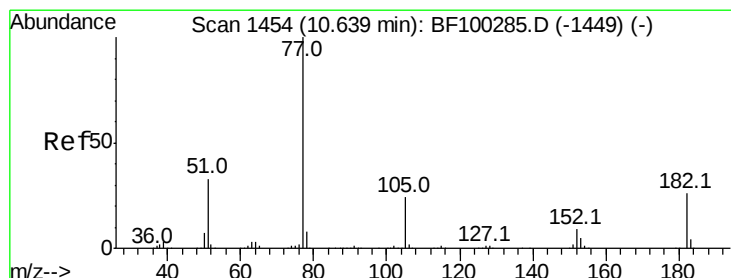
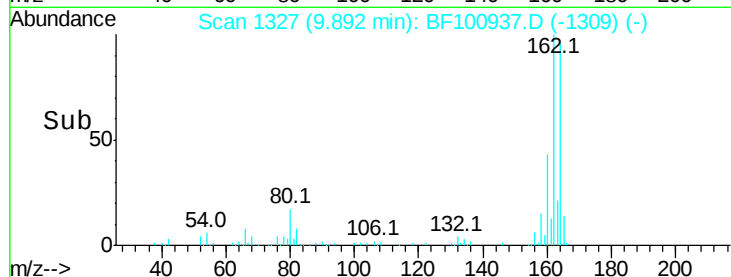
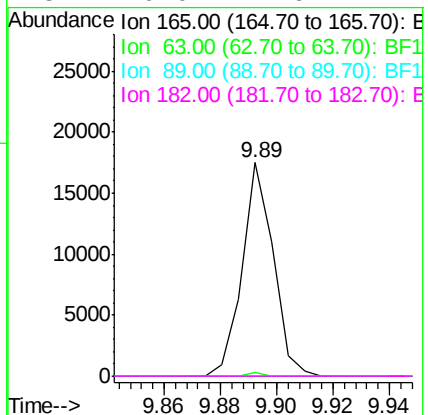
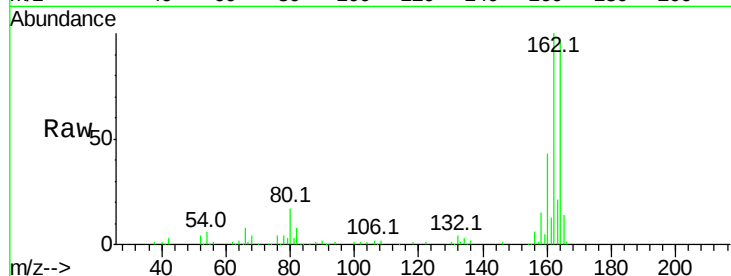




#56
 2,4-Dinitrotoluene
 Concen: 6.760 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

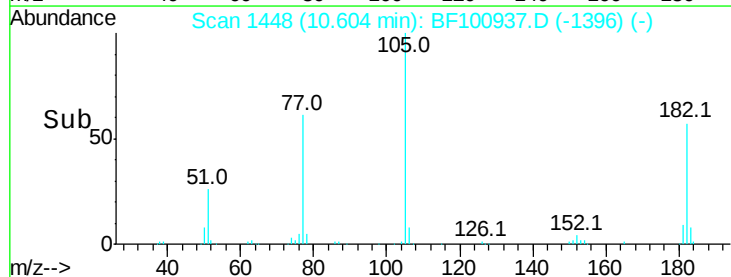
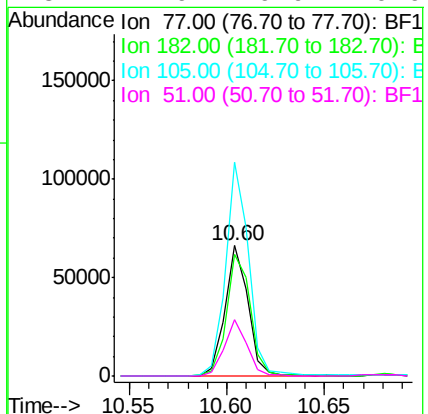
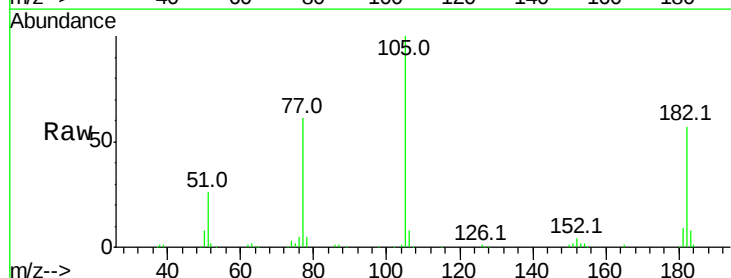
Instrument :
 BNA_F
 ClientSampleId :

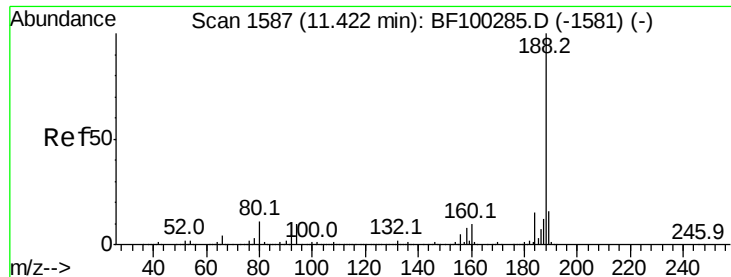
Tot Ion:165 Resp: 13362
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



#62
 Azobenzene
 Concen: 7.290 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Tgt Ion: 77 Resp: 54381
 Ion Ratio Lower Upper
 77 100
 182 93.6 1.7 41.7#
 105 164.2 3.0 43.0#
 51 42.9 9.9 49.9

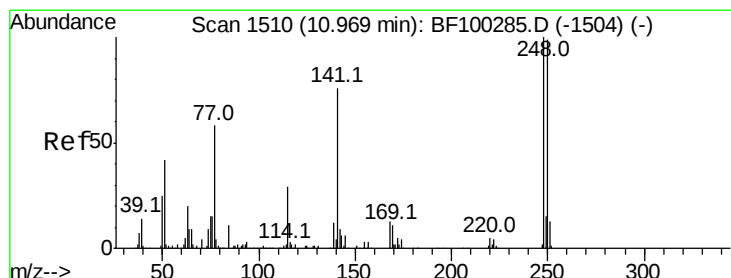
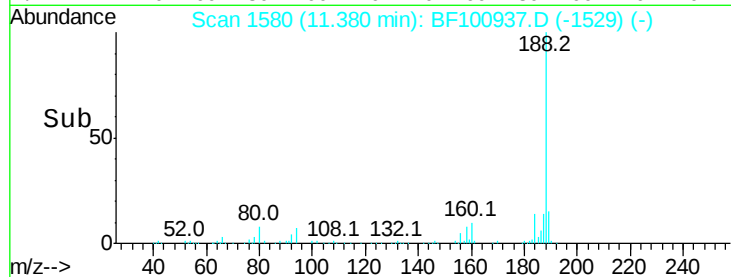
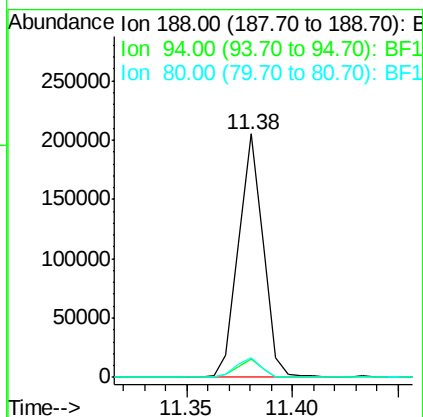
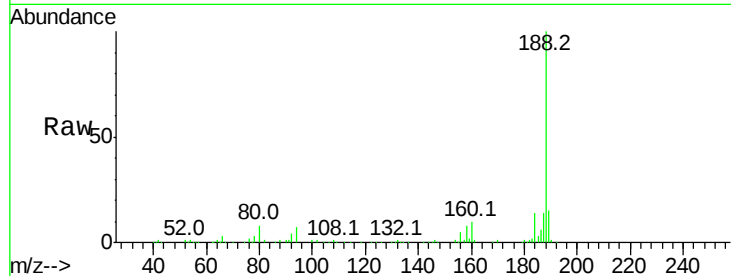




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

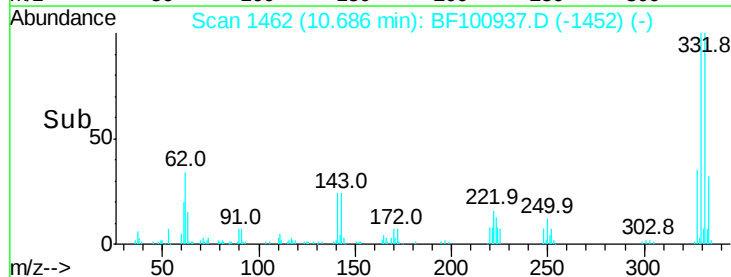
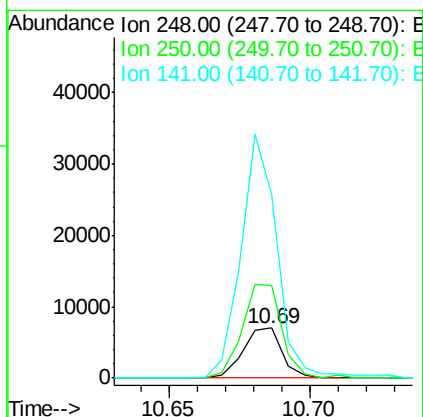
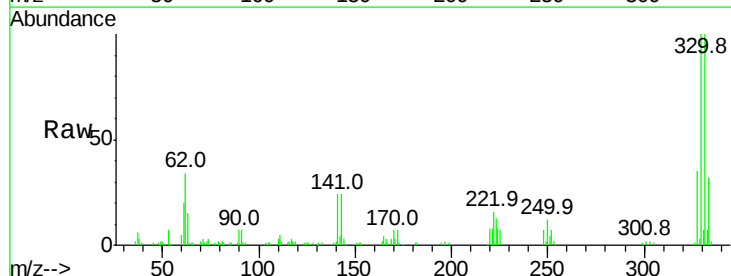
Instrument :
 BNA_F
 ClientSampleId :

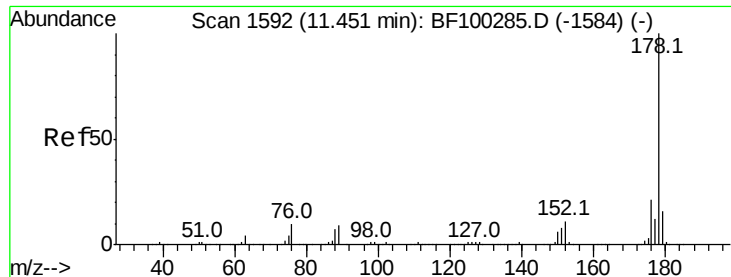
Tot Ion:188 Resp: 165843
 Ion Ratio Lower Upper
 188 100
 94 7.5 8.5 12.7#
 80 8.2 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.757 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Tgt Ion:248 Resp: 6680
 Ion Ratio Lower Upper
 248 100
 250 186.3 76.9 115.3#
 141 368.4 74.4 111.6#

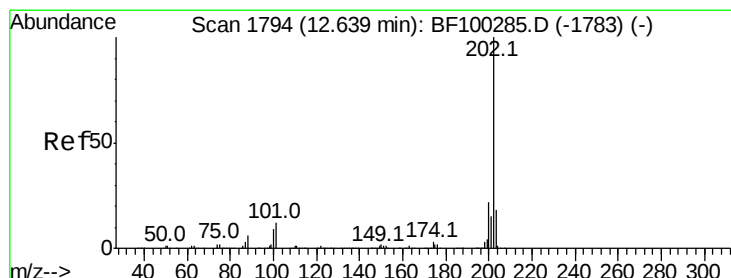
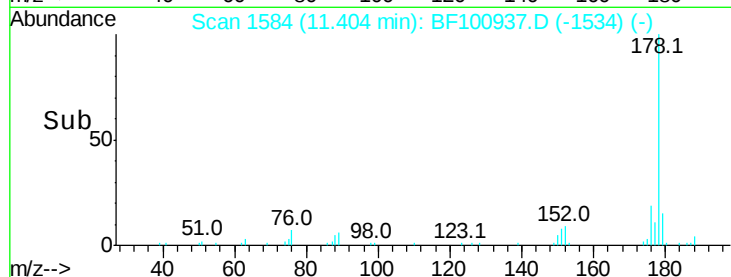
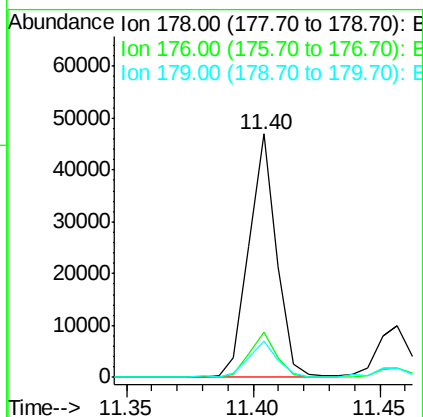
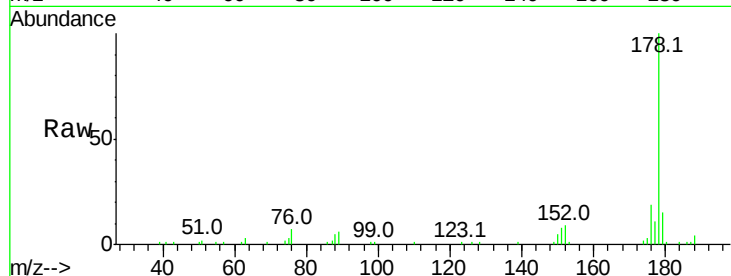




#70
Phenanthrene
Concen: 4.121 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

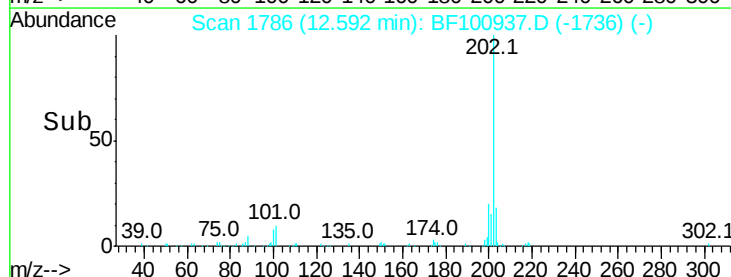
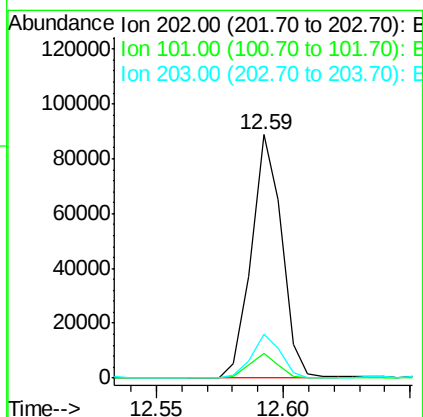
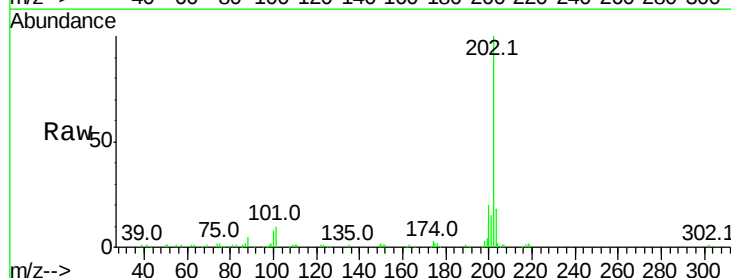
Instrument :
BNA_F
ClientSampleId :

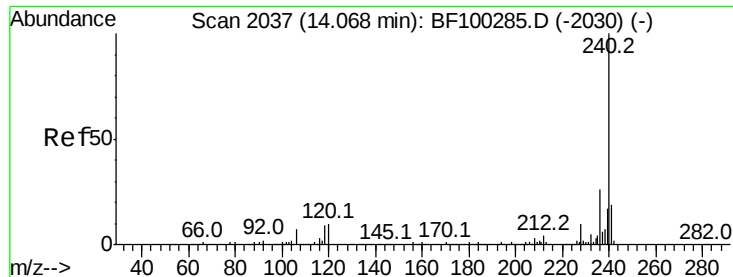
Tot Ion:178 Resp: 35980
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 13.0 19.6



#74
Fluoranthene
Concen: 8.056 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion:202 Resp: 74549
Ion Ratio Lower Upper
202 100
101 10.4 0.0 34.1
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

Instrument :

BNA_F

ClientSampleId :

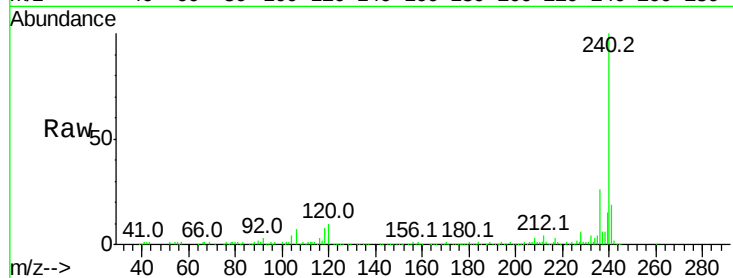
Tot Ion:240 Resp: 144306

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

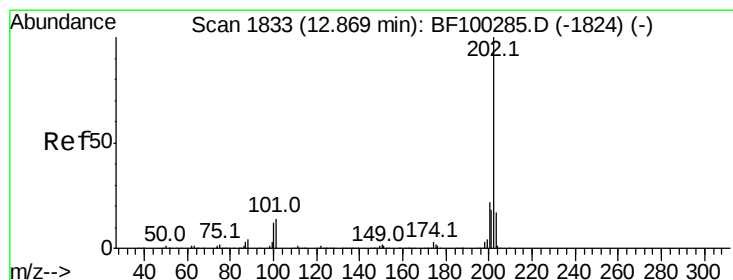
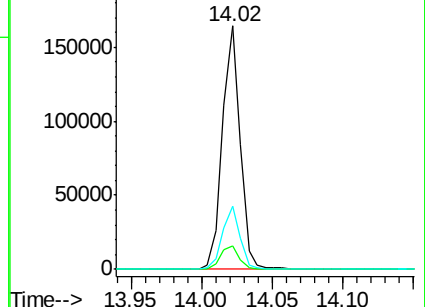
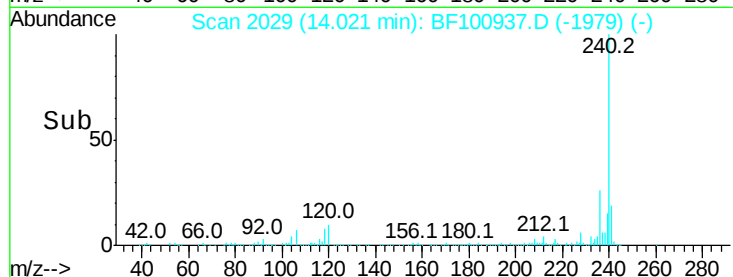
236 25.8 20.7 31.1



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: 7.244 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100937.D

Acq: 28 Nov 2017 16:46

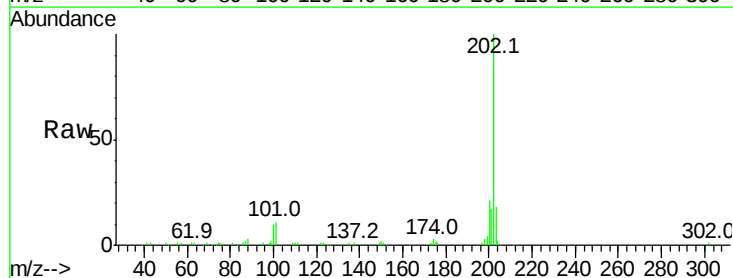
Tgt Ion:202 Resp: 74518

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

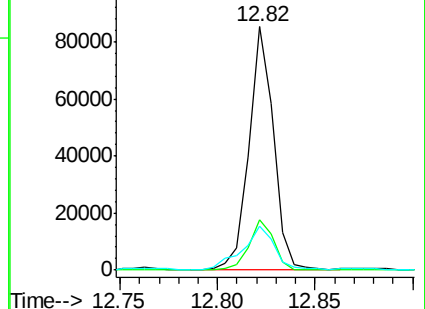
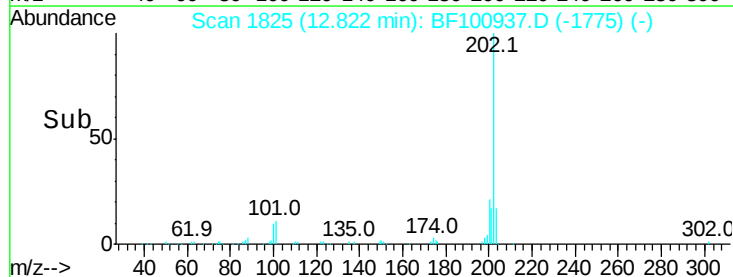
203 18.2 14.3 21.5

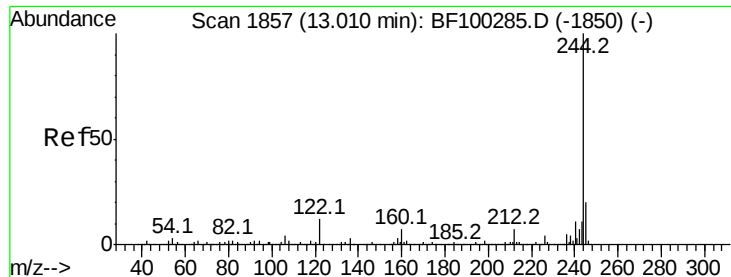


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

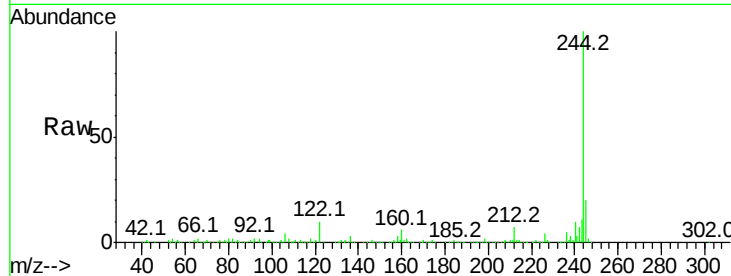




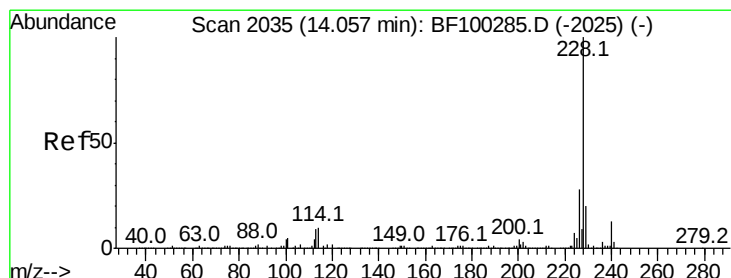
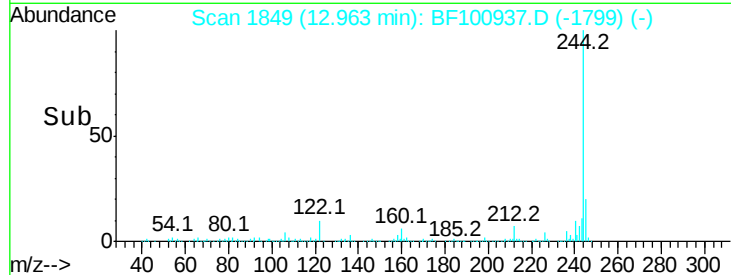
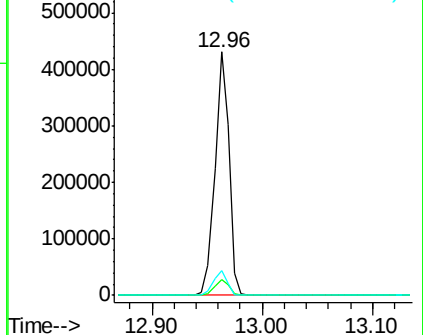
#78
 Terphenyl-d14
 Concen: 59.804 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 375594
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 11.0 16.4#

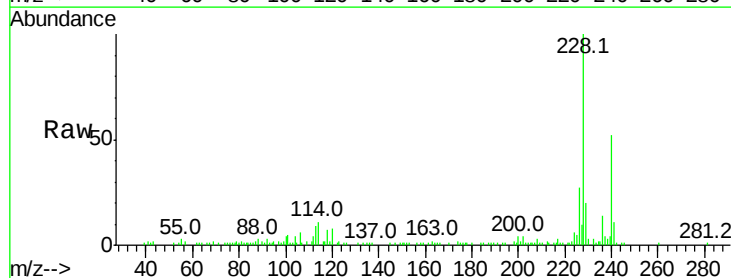


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

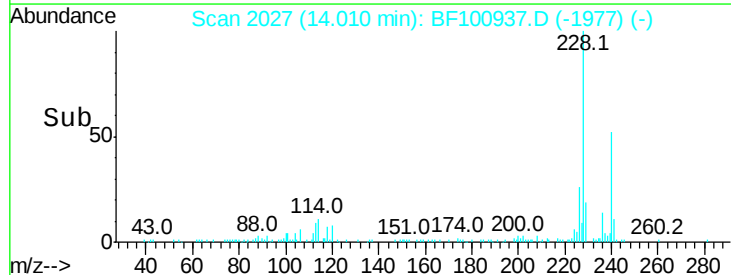
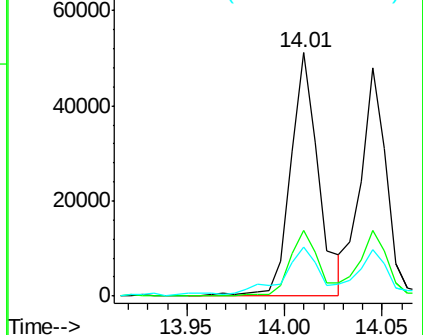


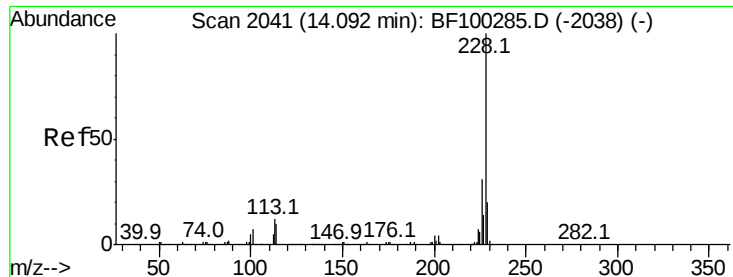
#80
 Benzo(a)anthracene
 Concen: 5.828 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Tgt Ion:228 Resp: 50644
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 20.1 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

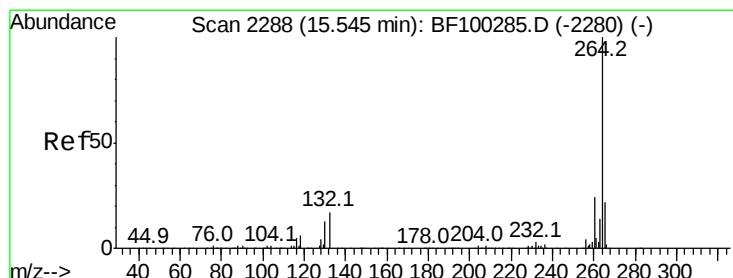
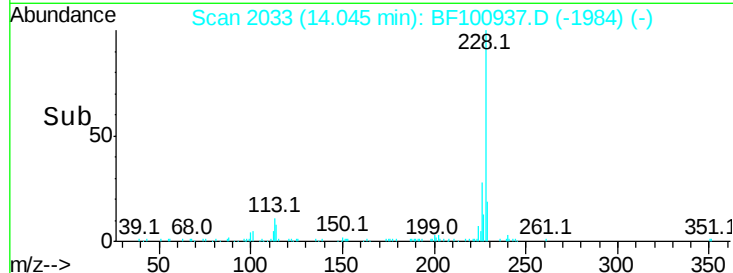
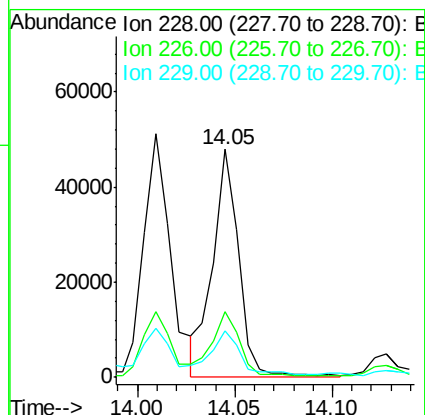
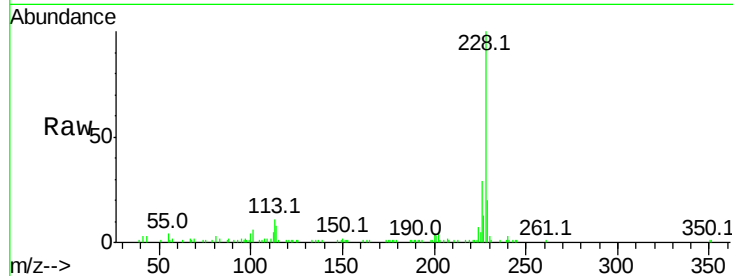




#82
 Chrysene
 Concen: 5.336 ng
 RT: 14.05 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

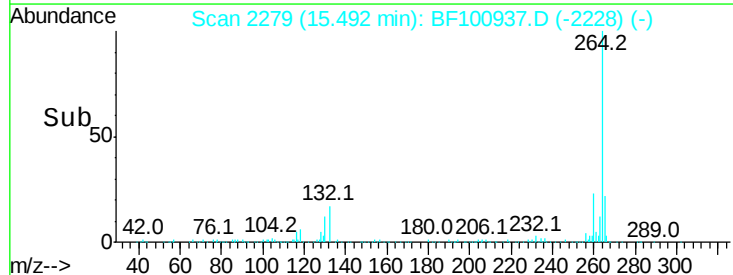
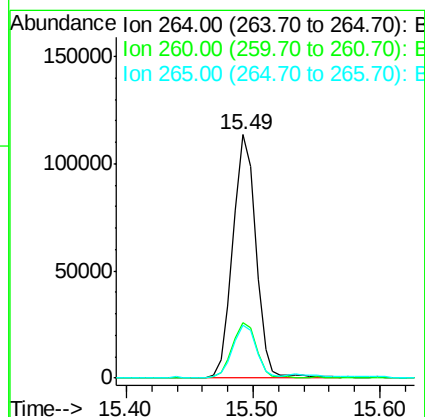
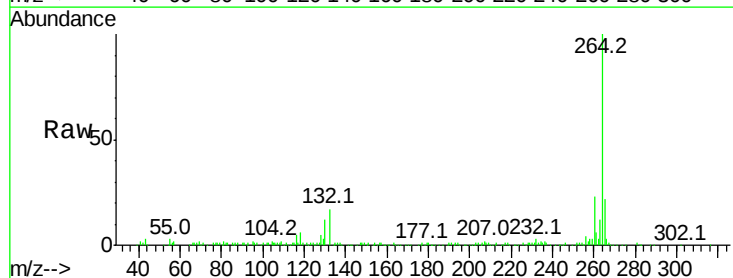
Instrument :
 BNA_F
 ClientSampleId :

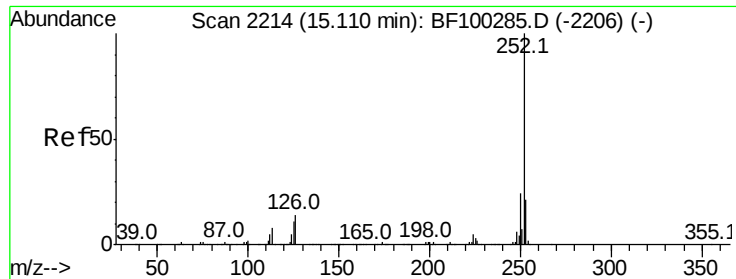
Tot Ion:228 Resp: 44901
 Ion Ratio Lower Upper
 228 100
 226 28.9 25.0 37.6
 229 20.2 16.2 24.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF100937.D
 Acq: 28 Nov 2017 16:46

Tgt Ion:264 Resp: 143587
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.9 17.5 26.3

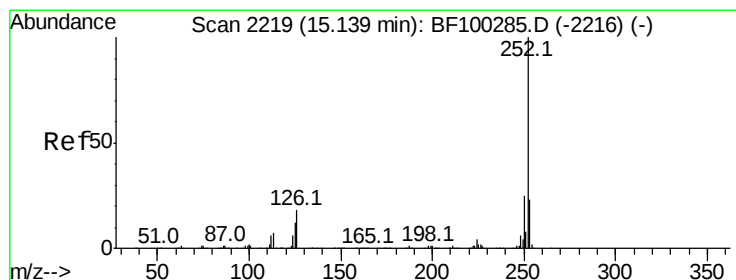
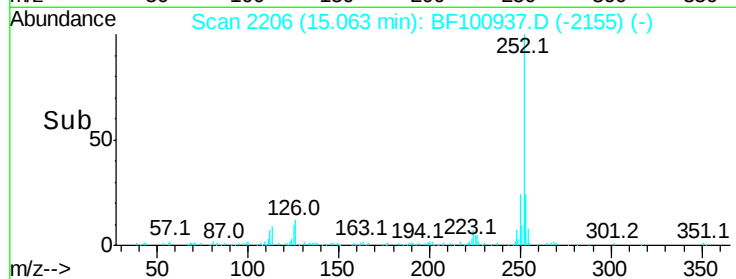
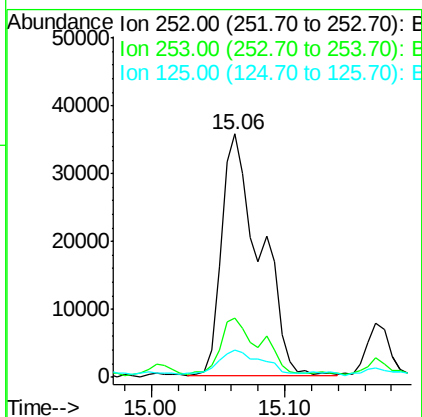
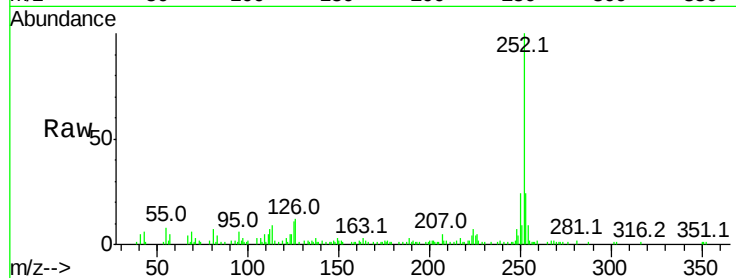




#87
Benzo(b)fluoranthene
Concen: 8.346 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

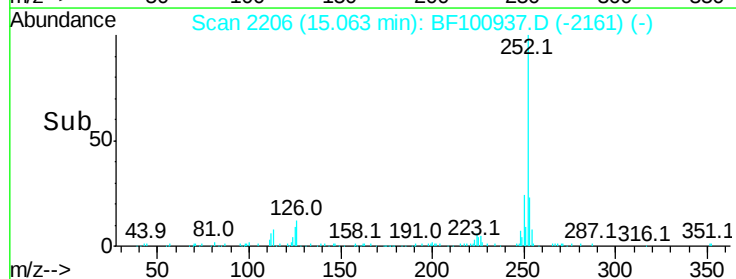
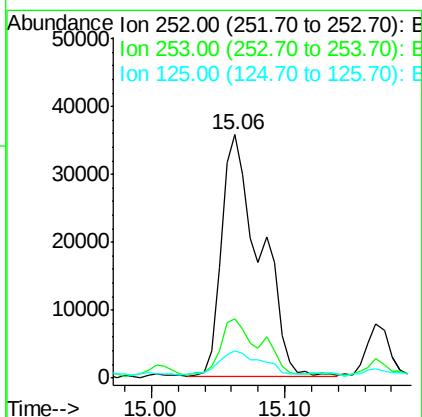
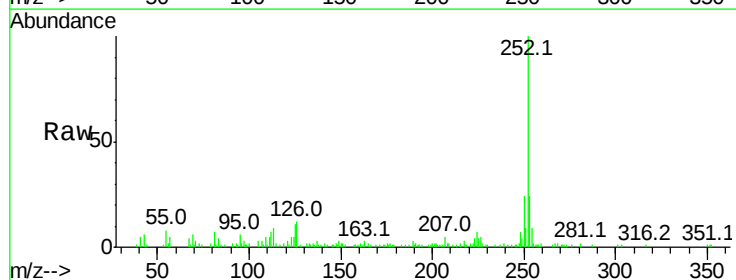
Instrument :
BNA_F
ClientSampleId :

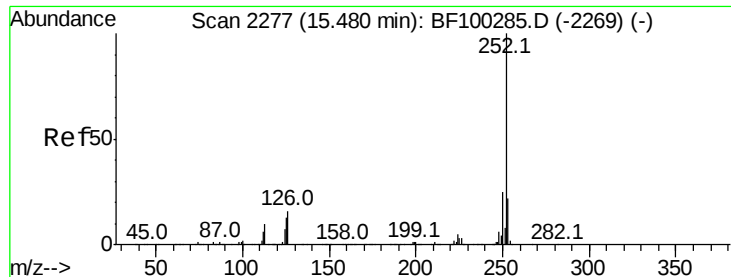
Tot Ion:252 Resp: 70994
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 11.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 8.833 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion:252 Resp: 70994
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.0 10.2 15.2

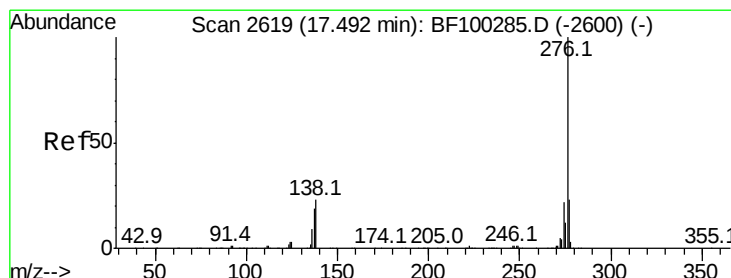
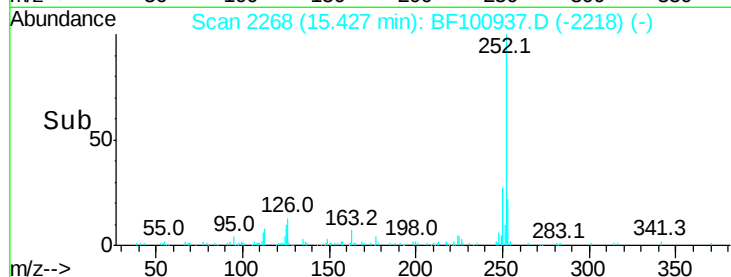
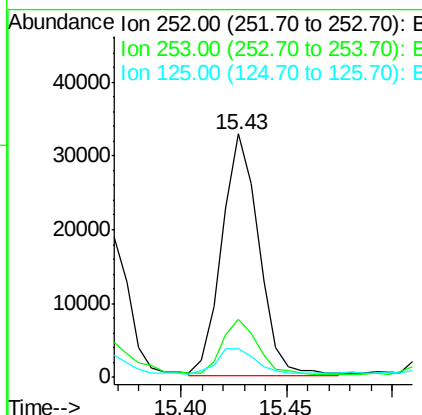
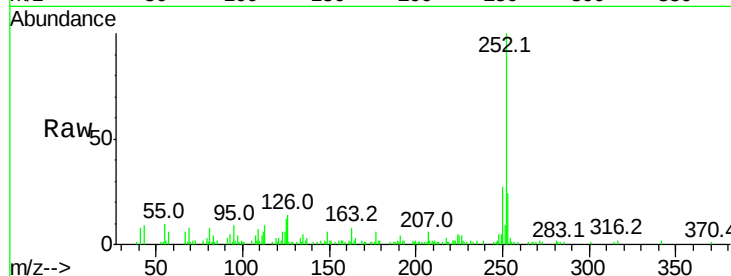




#89
Benzo(a)pyrene
Concen: 5.230 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 39444
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 11.9 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.975 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF100937.D
Acq: 28 Nov 2017 16:46

Tgt Ion:276 Resp: 17963
Ion Ratio Lower Upper
276 100
277 27.4 17.9 26.9#
138 18.6 21.8 32.8#

