

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100896.D
 Acq On : 27 Nov 2017 17:07
 Operator : SJ/JU
 Sample : I6548-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 21:58:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	78305	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	307782	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	140387	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	237928	20.00	ng	0.00
75) Chrysene-d12	14.03	240	153322	20.00	ng	0.00
86) Perylene-d12	15.50	264	173007	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	418549	85.68	ng	0.00
7) Phenol-d6	6.49	99	509320	84.55	ng	0.00
23) Nitrobenzene-d5	7.42	82	323294	69.45	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	128352	89.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	666886	72.33	ng	0.00
78) Terphenyl-d14	12.96	244	476973	71.48	ng	0.00

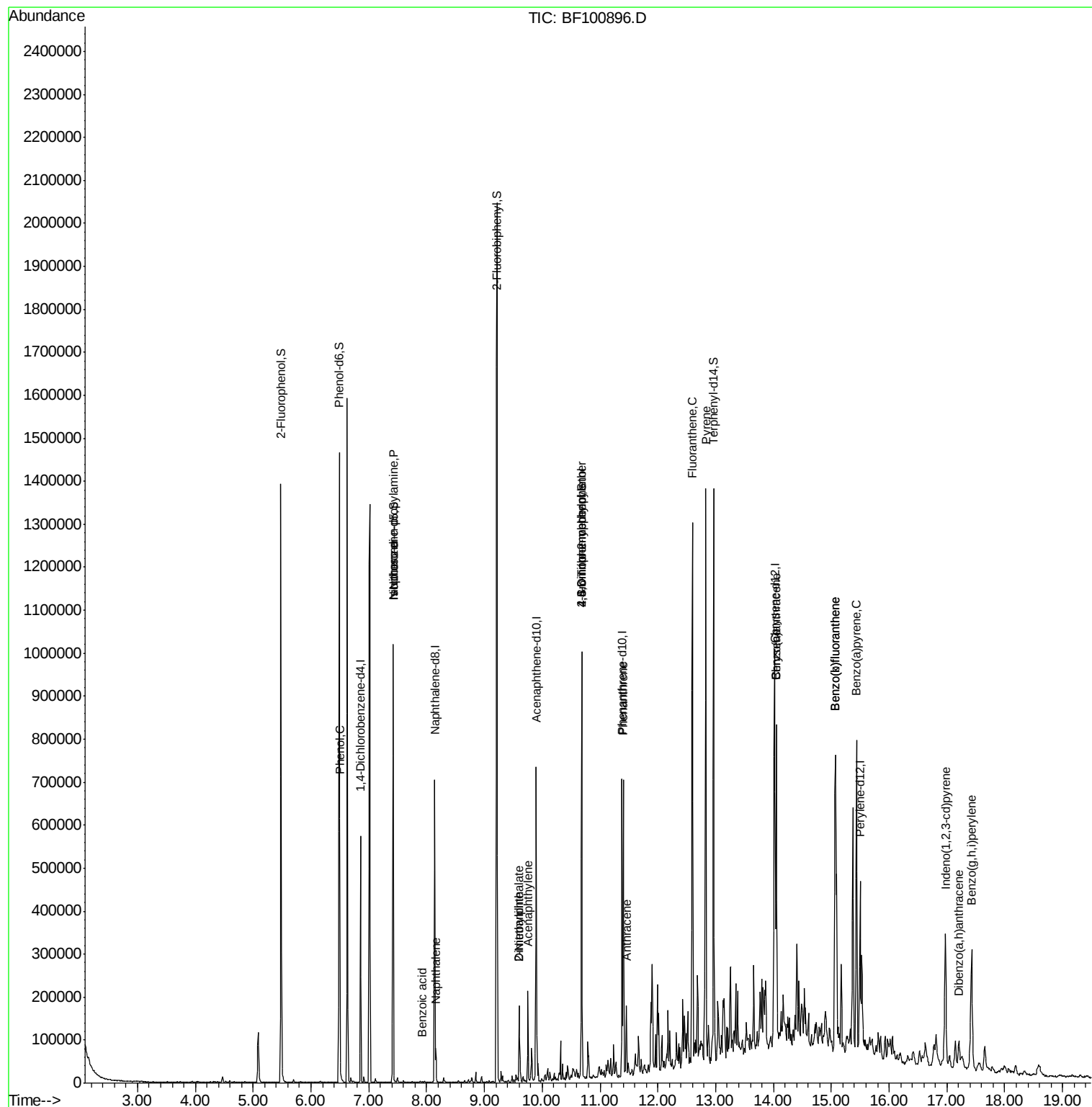
Target Compounds				Qvalue		
10) Phenol	6.50	94	17242	2.727	ng	93
19) n-Nitroso-di-n-propylamine	7.42	70	41388	9.907	ng	# 82
25) Isophorone	7.42	82	323290	33.047	ng	# 64
31) Naphthalene	8.16	128	31460	2.122	ng	99
32) Benzoic acid	7.93	122	136	9.403	ng	# 1
47) 2-Nitroaniline	9.60	65	612	3.005	ng	# 1
48) Acenaphthylene	9.75	152	91548	6.271	ng	100
49) Dimethylphthalate	9.60	163	59947	5.593	ng	98
64) 4,6-Dinitro-2-methylphenol	10.69	198	142	8.667	ng	# 5
66) 4-Bromophenyl-phenylether	10.68	248	7976	3.127	ng	# 1
70) Phenanthrene	11.40	178	237815	18.984	ng	97
71) Anthracene	11.46	178	66818	5.257	ng	99
74) Fluoranthene	12.60	202	480458	36.189	ng	96
77) Pyrene	12.83	202	531498	48.630	ng	98
80) Benzo(a)anthracene	14.05	228	283088	30.660	ng	96
82) Chrysene	14.05	228	283088	31.662	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	217941	30.136	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	542404	52.919	ng	98
88) Benzo(k)fluoranthene	15.07	252	542404	56.007	ng	98
89) Benzo(a)pyrene	15.44	252	332875	36.633	ng	98
90) Dibenzo(a,h)anthracene	17.20	278	38694	5.207	ng	93
91) Benzo(g,h,i)perylene	17.43	276	237338	32.627	ng	93

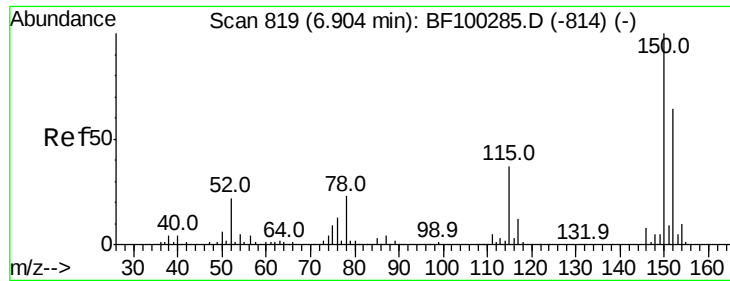
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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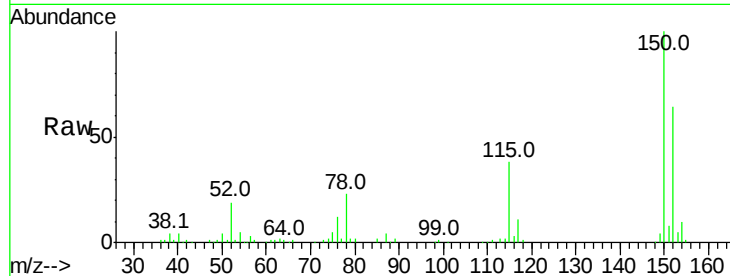


#1

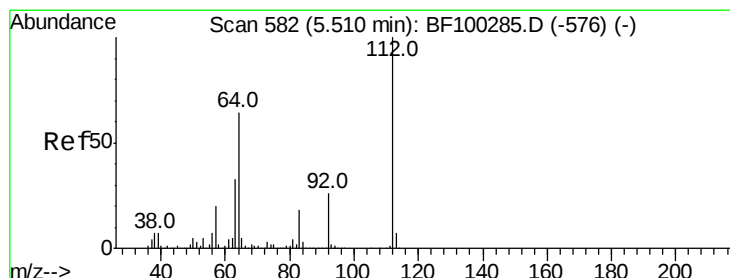
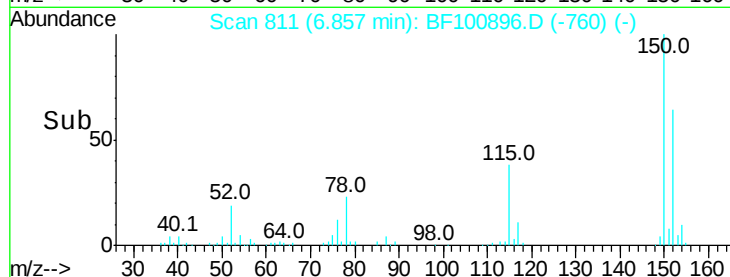
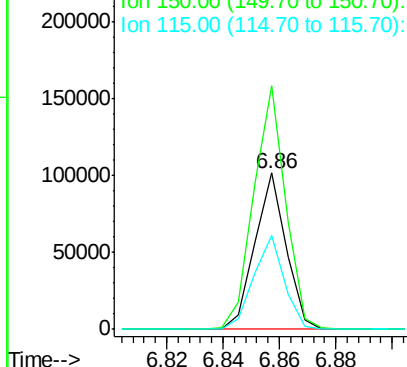
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78305
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 59.8 50.1 75.1



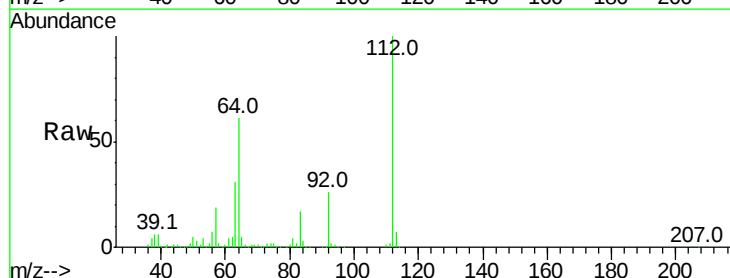
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



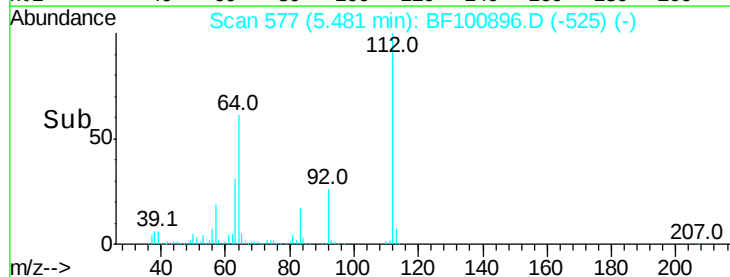
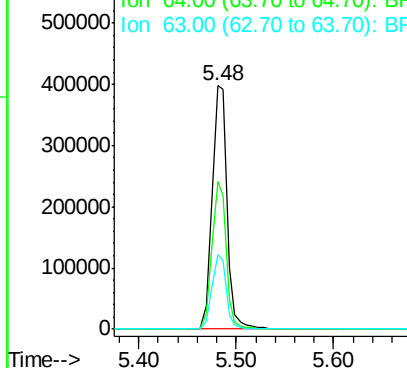
#5

2-Fluorophenol
Concen: 85.681 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion:112 Resp: 418549
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 30.6 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: 84.552 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

ClientSampleId :

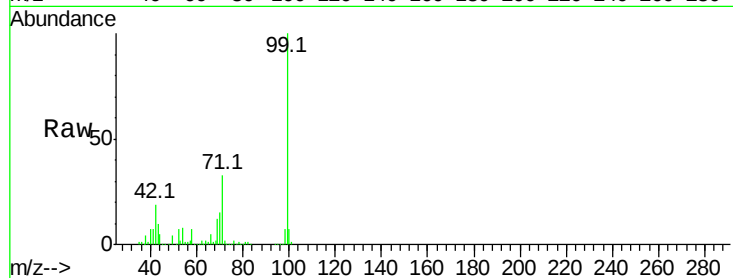
Tot Ion: 99 Resp: 509320

Ion Ratio Lower Upper

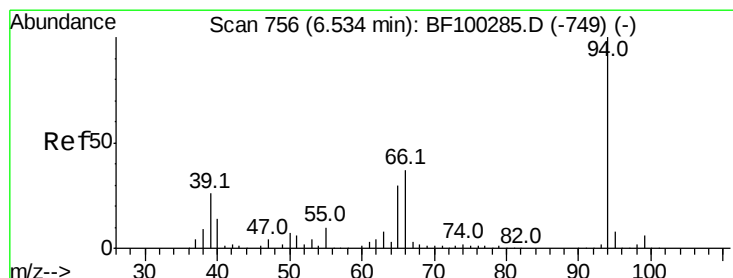
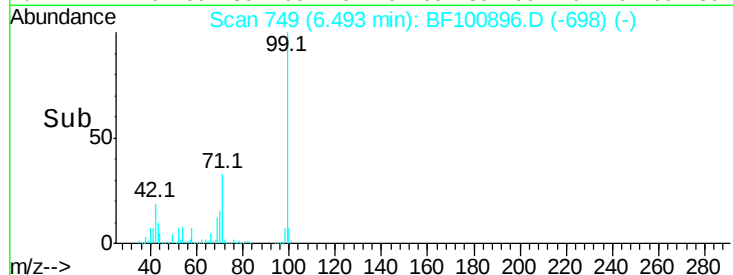
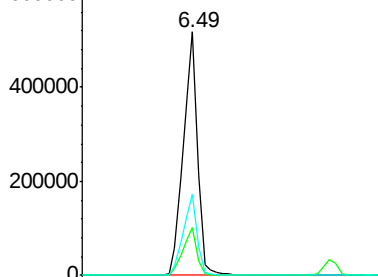
99 100

42 19.4 14.5 21.7

71 33.2 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: 2.727 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

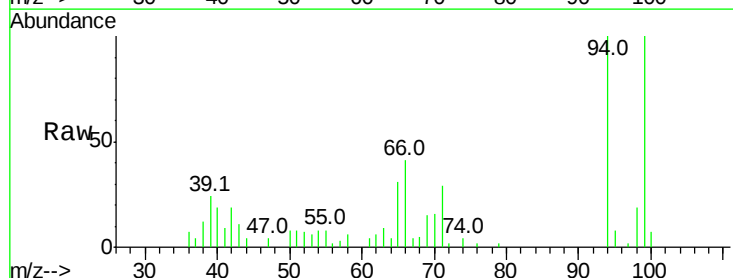
Tgt Ion: 94 Resp: 17242

Ion Ratio Lower Upper

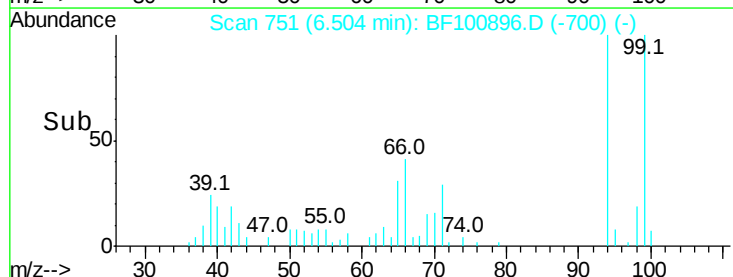
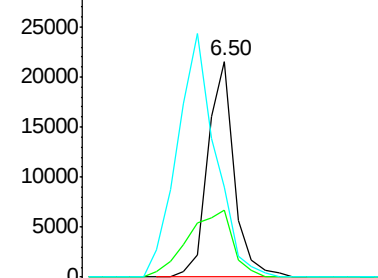
94 100

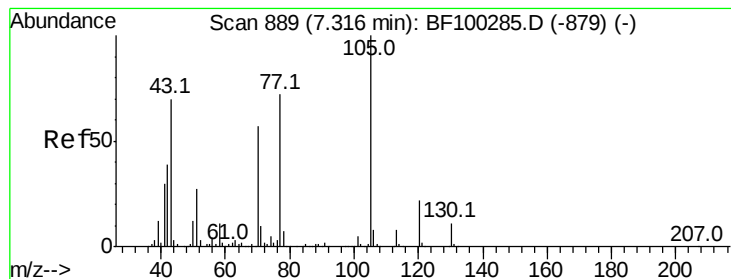
65 30.8 7.9 47.9

66 41.5 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: 9.907 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

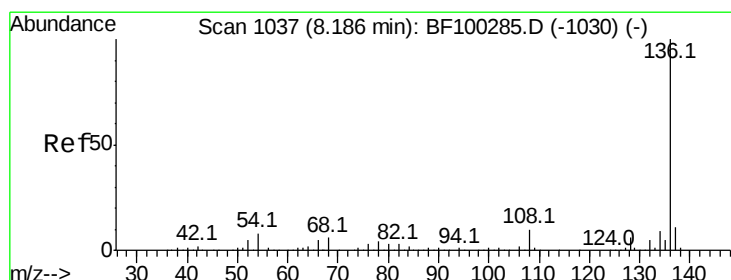
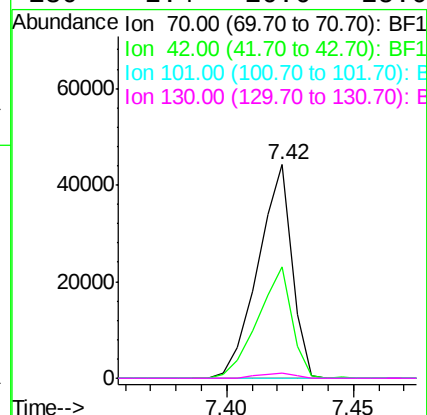
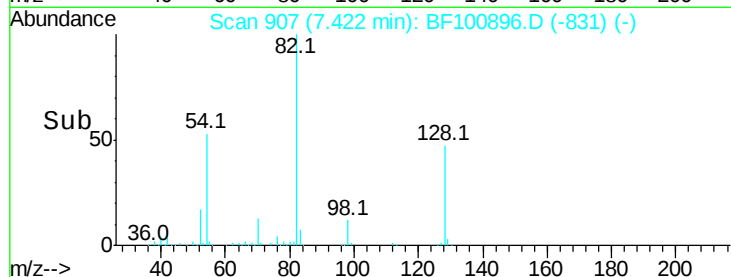
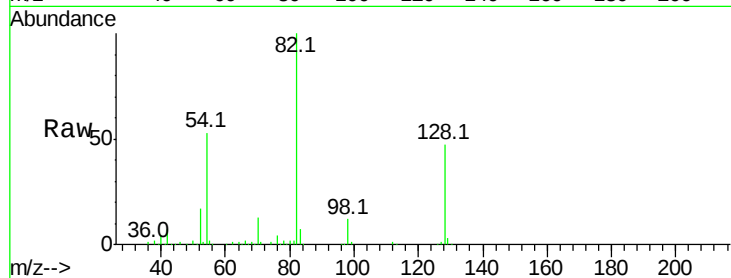
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 41388

Ion Ratio Lower Upper

70	100		
42	52.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

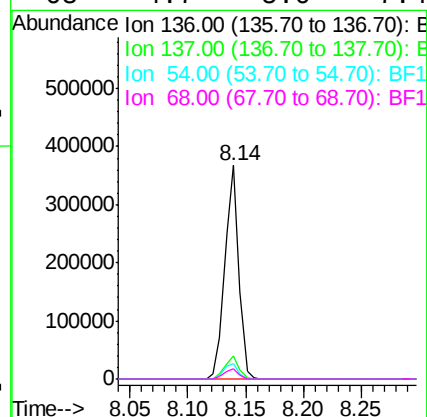
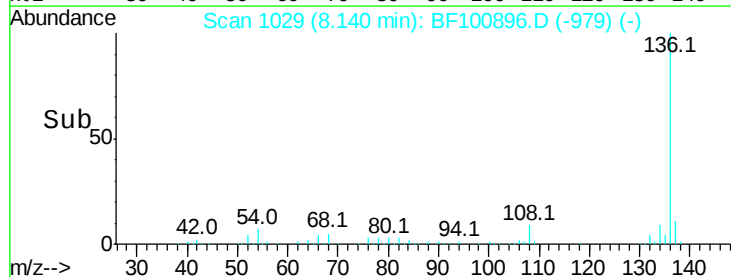
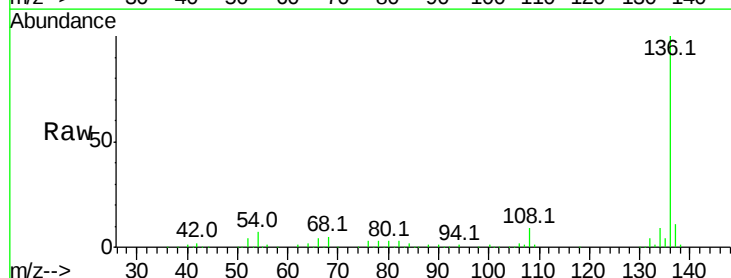
Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion: 136 Resp: 307782

Ion Ratio Lower Upper

136	100		
137	10.7	8.9	13.3
54	7.4	6.6	9.8
68	4.7	5.0	7.4#

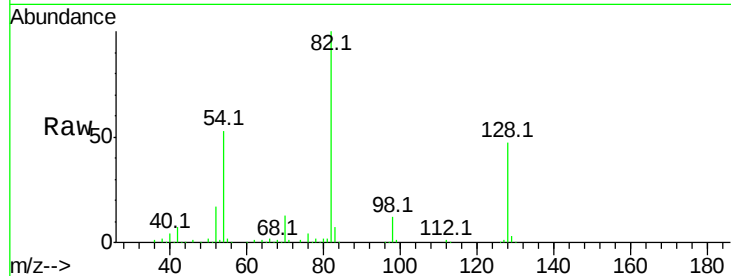




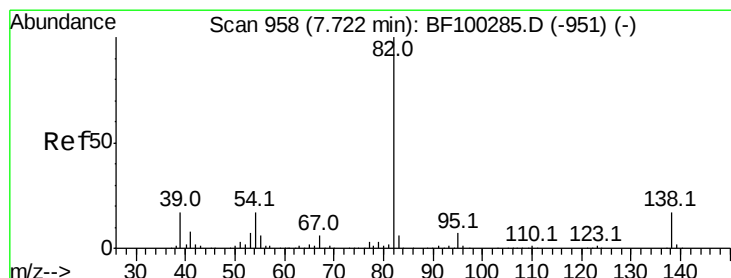
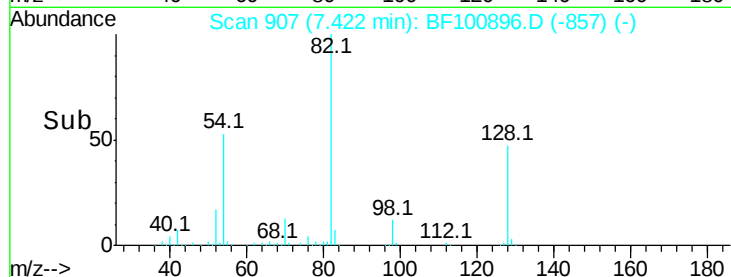
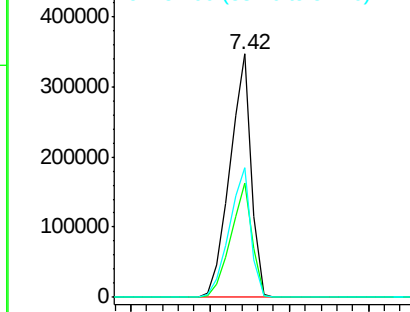
#23
Nitrobenzene-d5
Concen: 69.445 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	323294
Ion Ratio	100	Lower	Upper
128	47.1	36.1	54.1
54	53.2	41.4	62.2

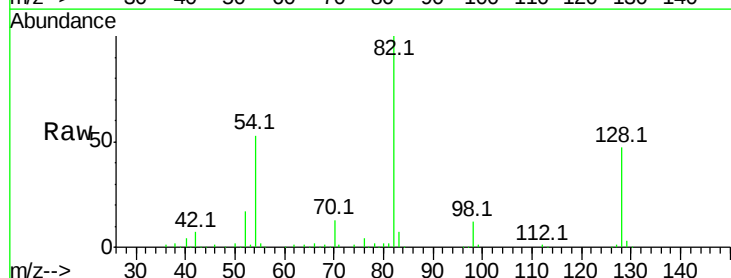


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

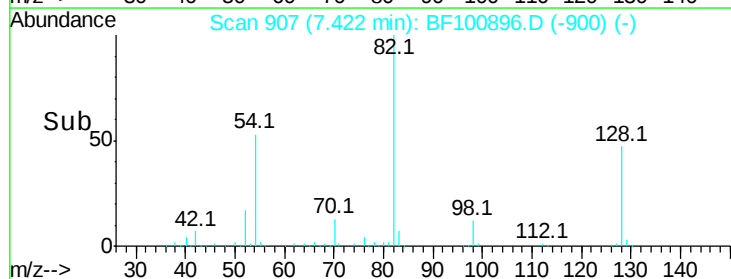
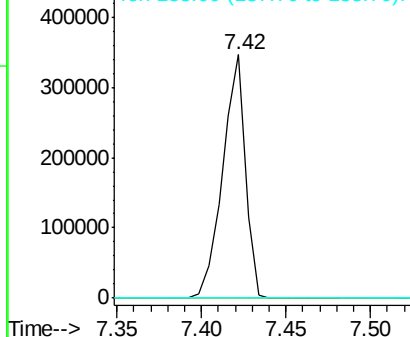


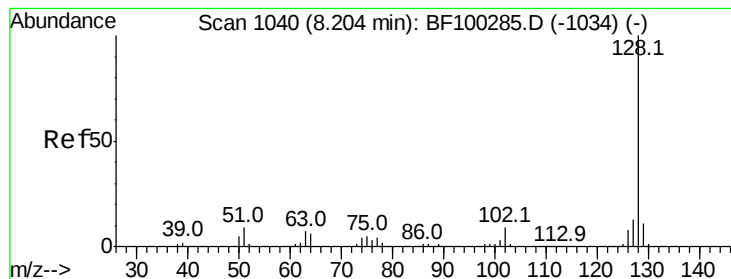
#25
Isophorone
Concen: 33.047 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	82	Resp	323290
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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





#31

Naphthalene

Concen: 2.122 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

ClientSampleId :

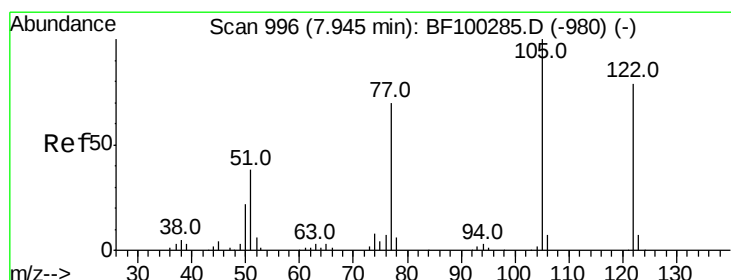
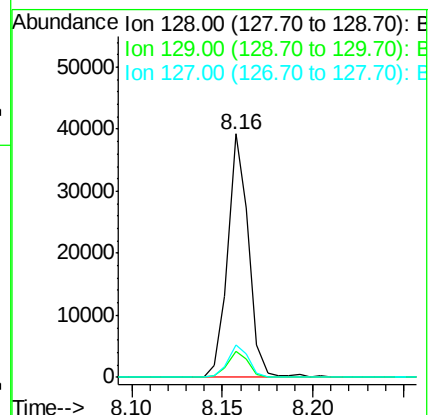
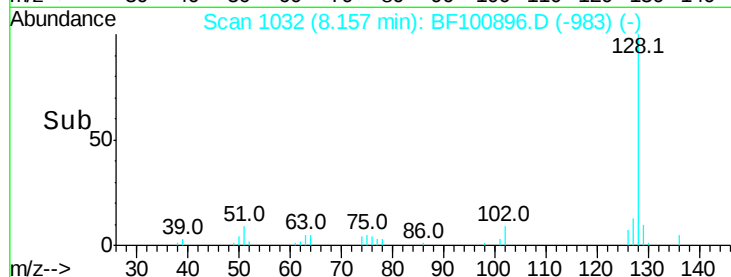
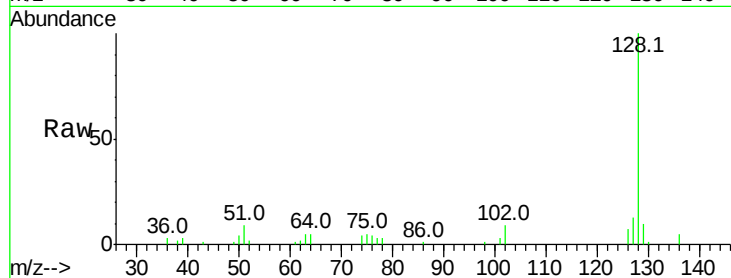
Tot Ion:128 Resp: 31460

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 13.4 10.9 16.3



#32

Benzoic acid

Concen: 9.403 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

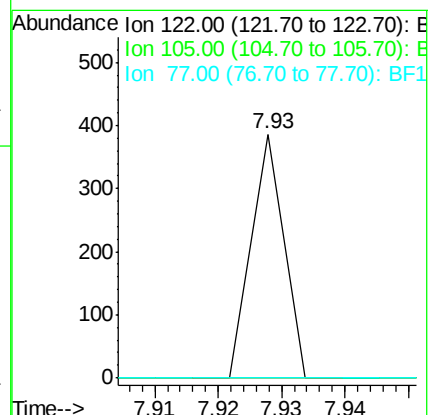
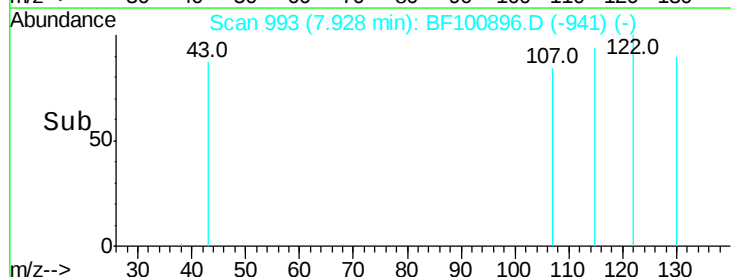
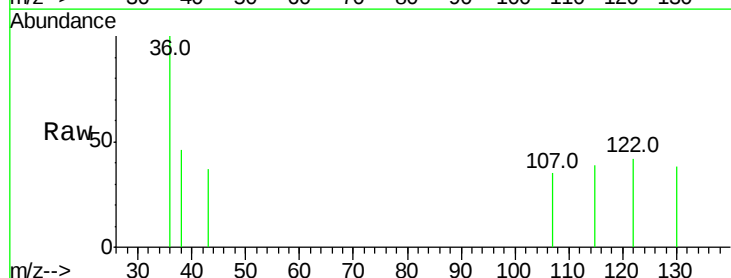
Tgt Ion:122 Resp: 136

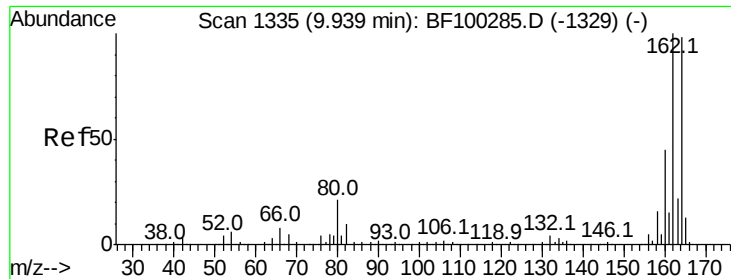
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#

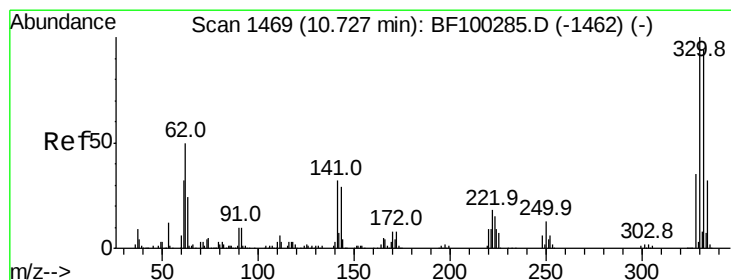
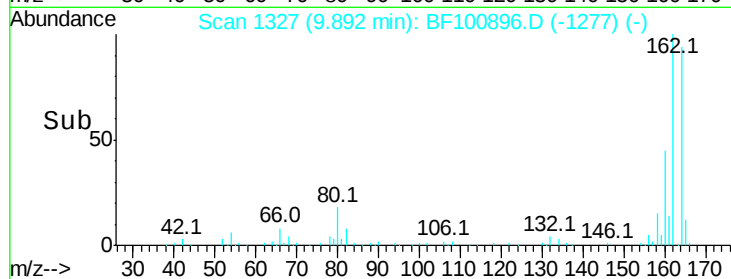
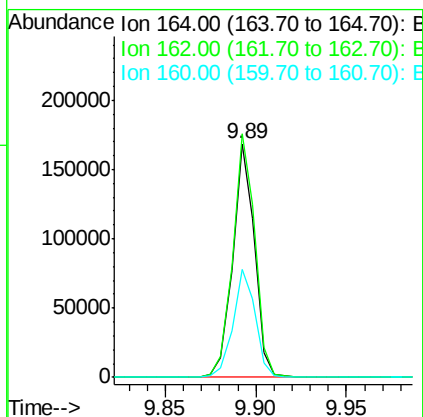
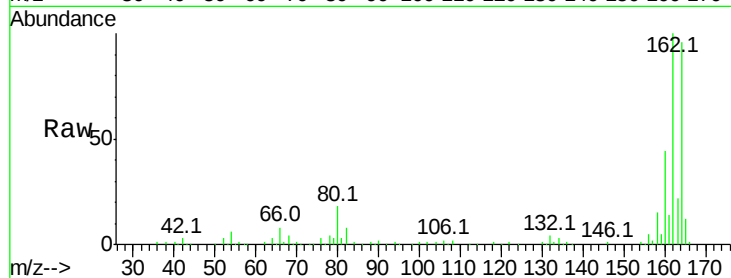




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

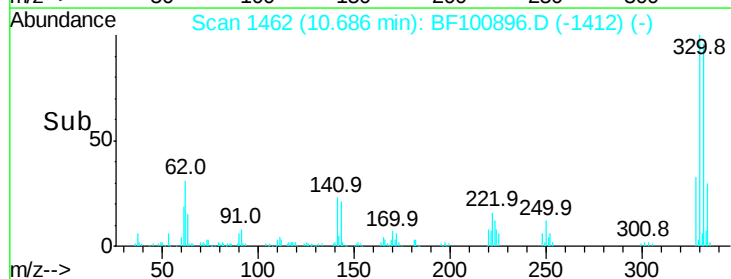
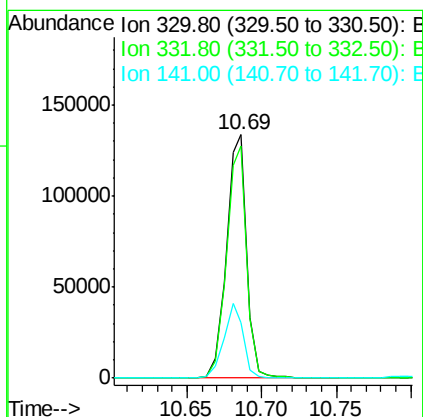
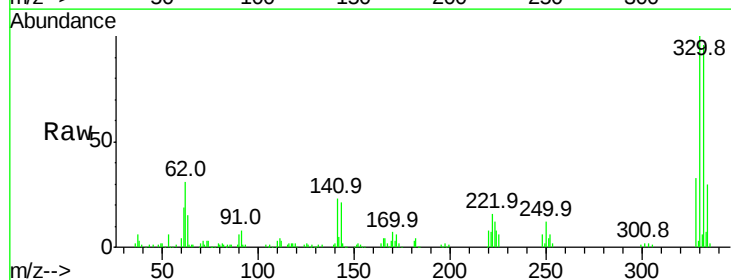
Instrument :
BNA_F
ClientSampleId :

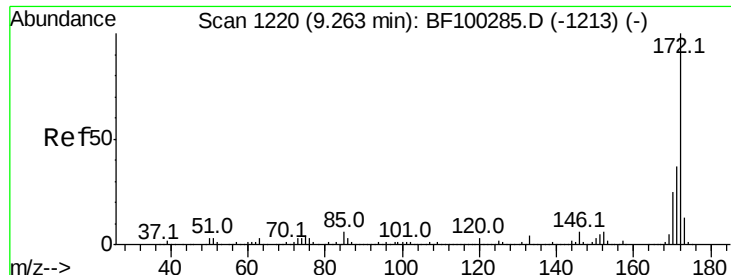
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	46.3	38.3	57.5



#41
2,4,6-Tribromophenol
Concen: 89.723 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	30.0	29.9	44.9

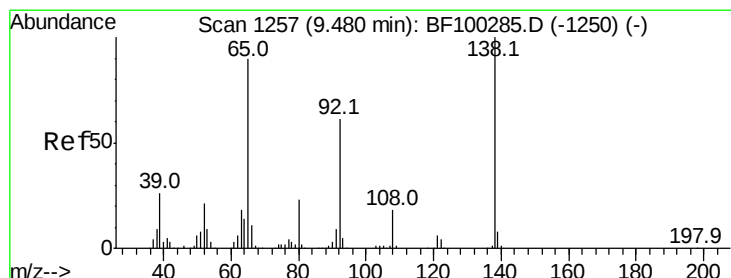
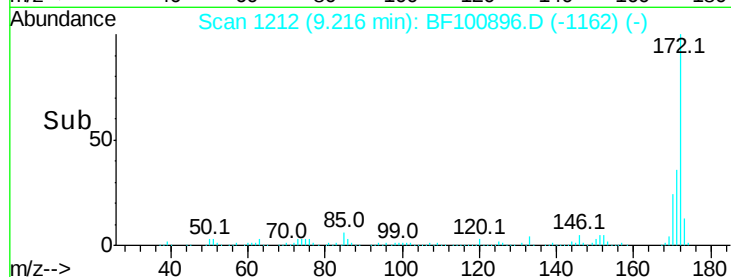
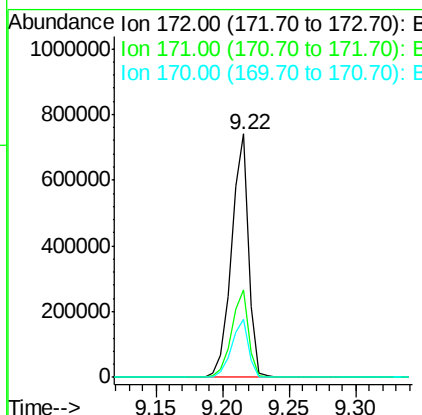
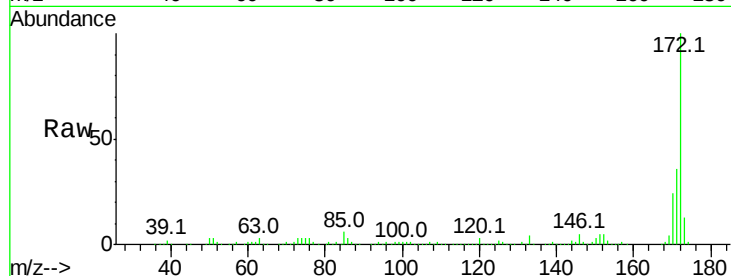




#44
 2-Fluorobiphenyl
 Concen: 72.334 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

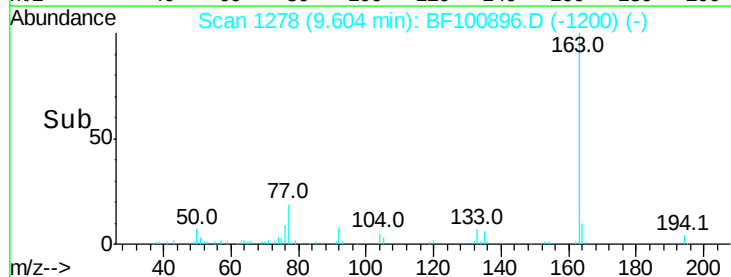
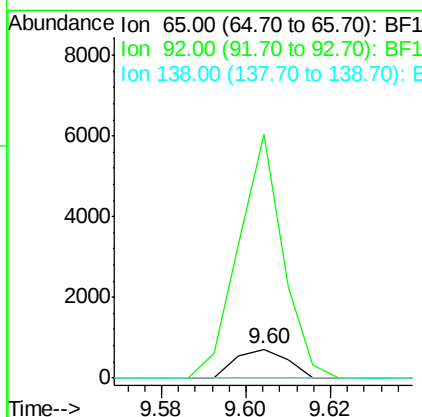
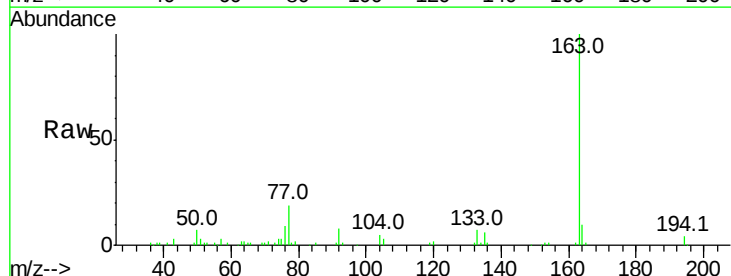
Instrument :
 BNA_F
 ClientSampleId :

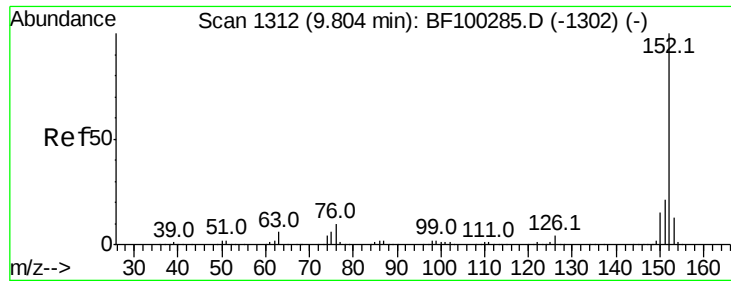
Tot Ion:172 Resp: 666886
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.0 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.005 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. 0.16 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion: 65 Resp: 612
 Ion Ratio Lower Upper
 65 100
 92 840.3 55.8 83.6#
 138 0.0 91.2 136.8#





#48

Acenaphthylene

Concen: 6.271 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

ClientSampled :

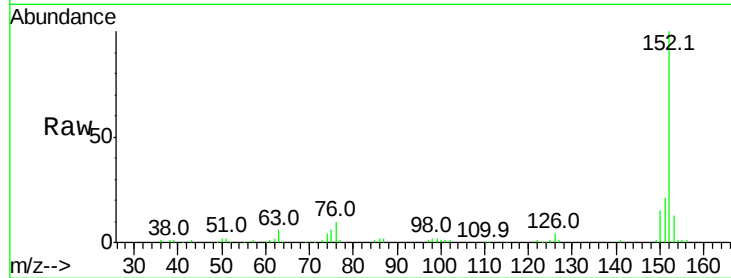
Tot Ion:152 Resp: 91548

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

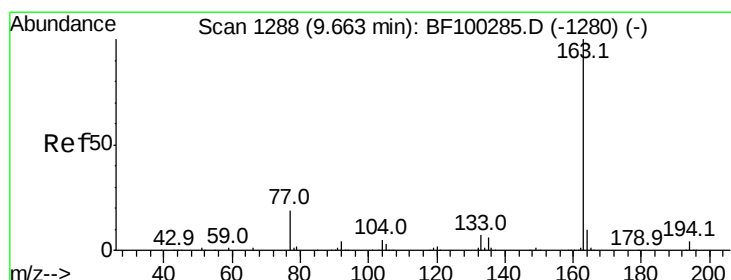
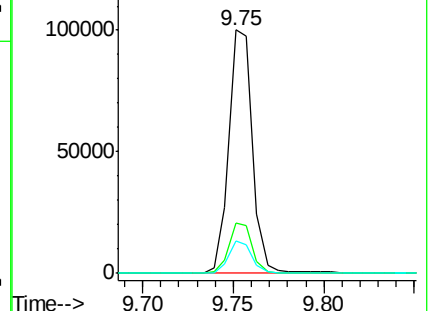
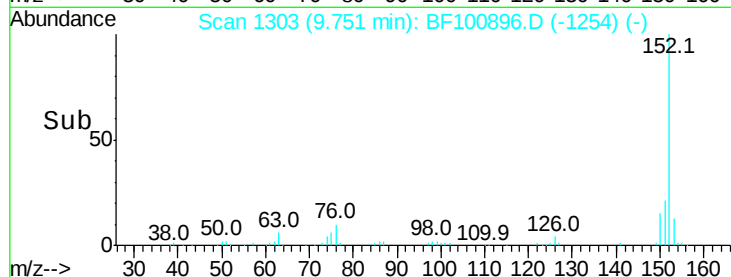
153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.593 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

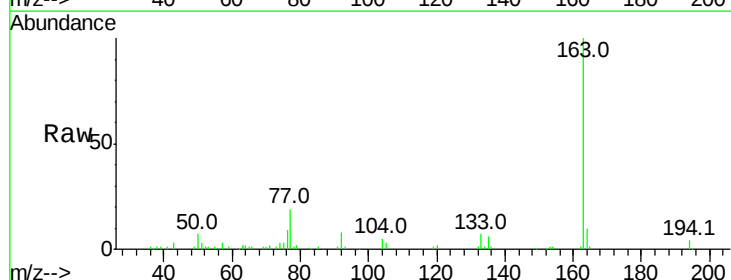
Tgt Ion:163 Resp: 59947

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

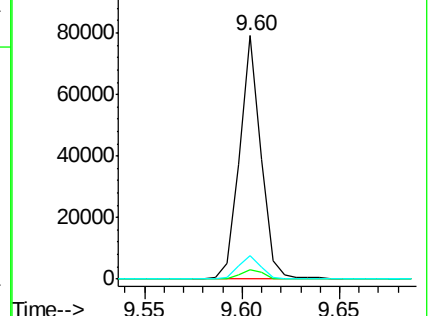
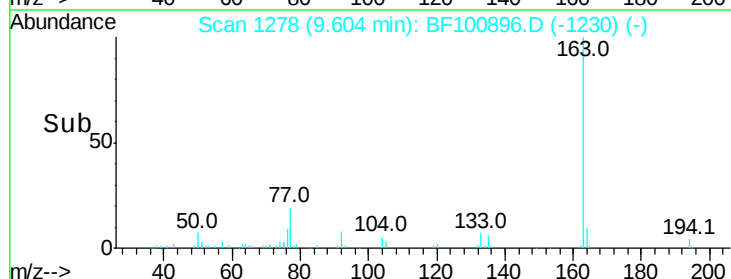
164 9.5 8.2 12.2

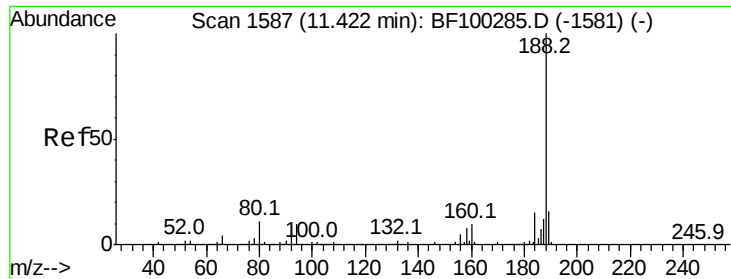


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

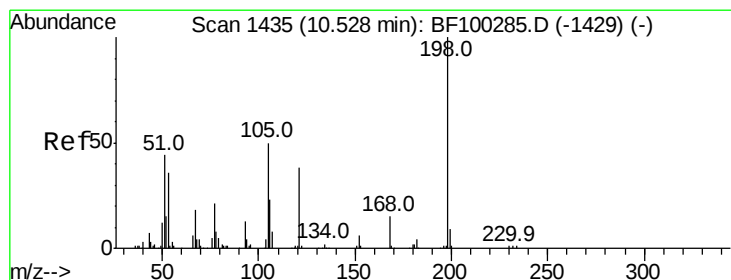
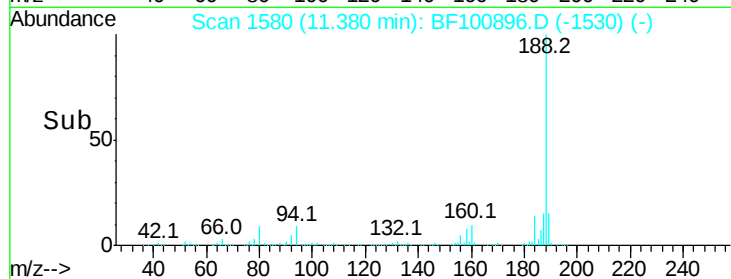
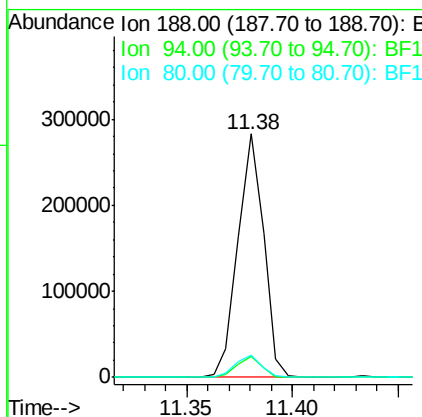
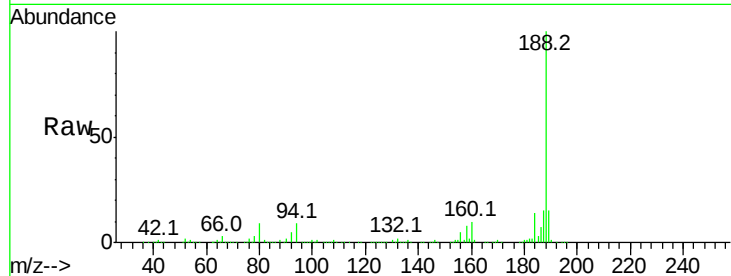




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

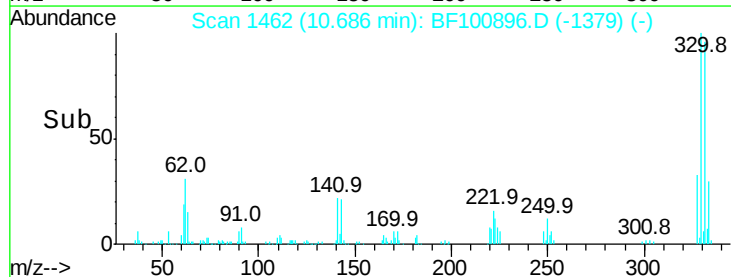
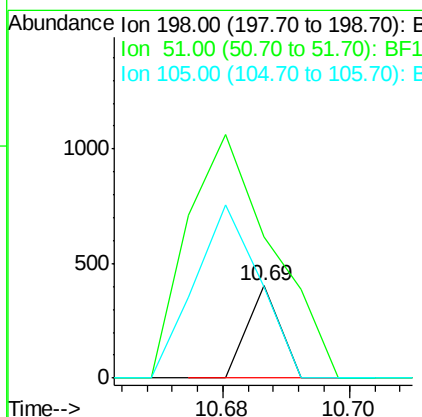
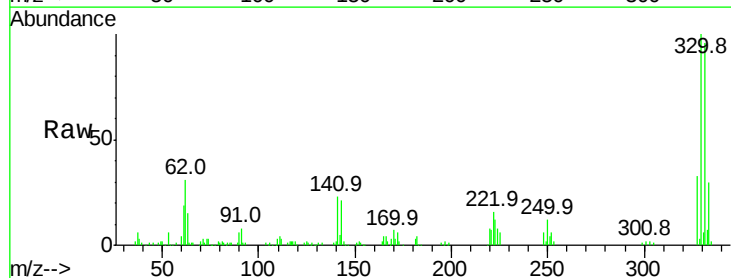
Instrument :
 BNA_F
 ClientSampleId :

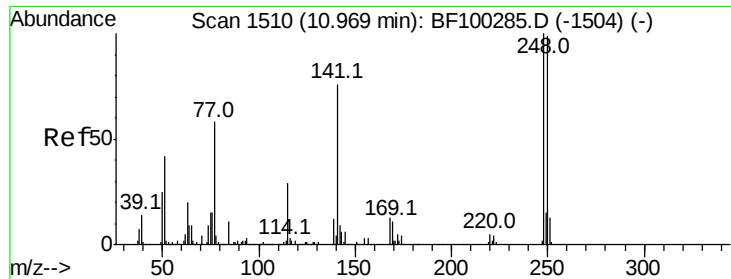
Tot Ion:188 Resp: 237928
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 9.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.667 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.19 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion:198 Resp: 142
 Ion Ratio Lower Upper
 198 100
 51 153.5 37.7 77.7#
 105 99.8 36.3 76.3#

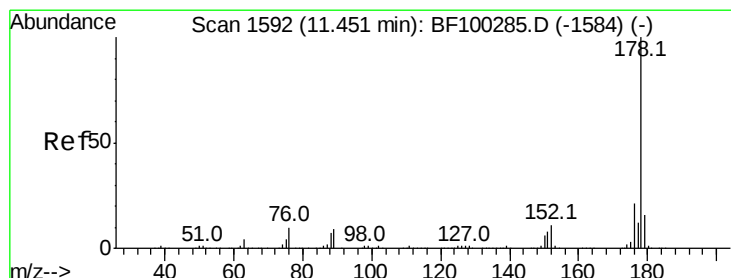
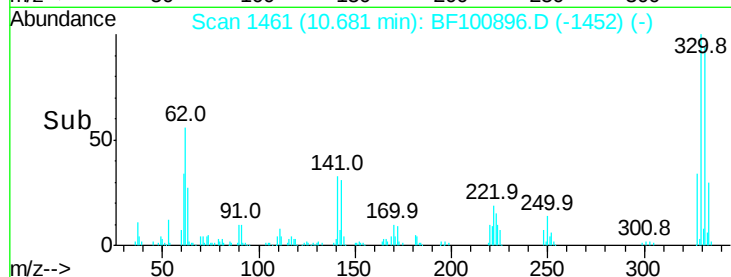
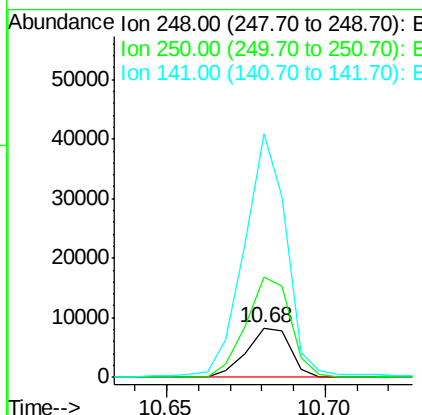
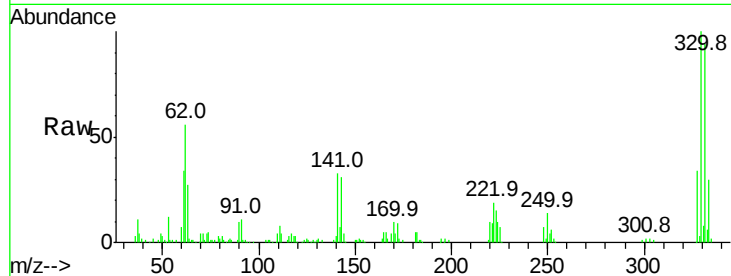




#66
 4-Bromophenyl-phenylether
 Concen: 3.127 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

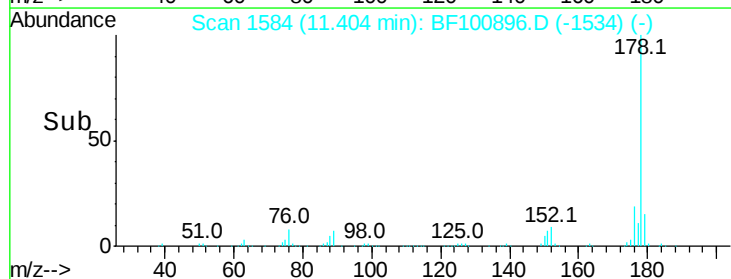
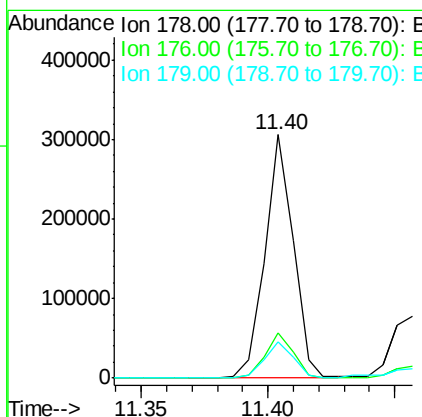
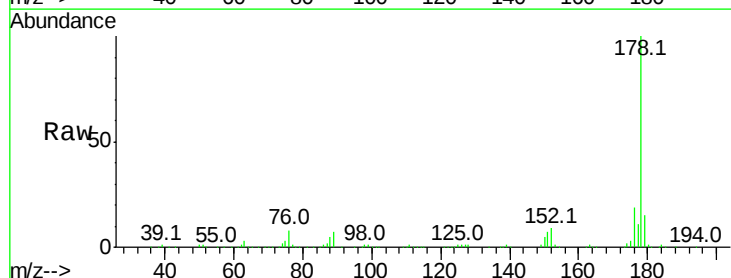
Instrument :
 BNA_F
 ClientSampled :

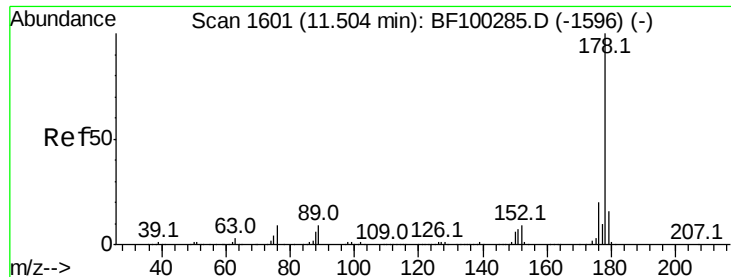
Tot Ion:248 Resp: 7976
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.9 115.3#
 141 491.8 74.4 111.6#



#70
 Phenanthrene
 Concen: 18.984 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion:178 Resp: 237815
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.1 13.0 19.6

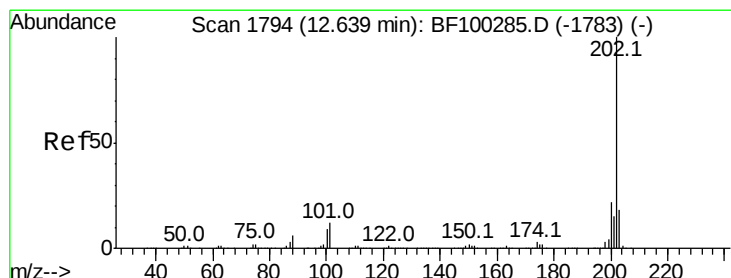
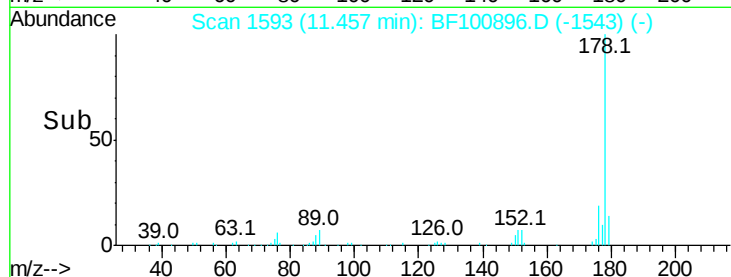
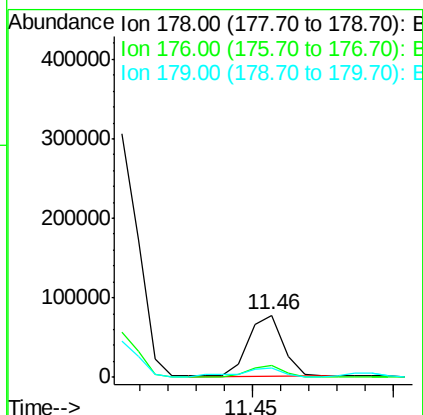
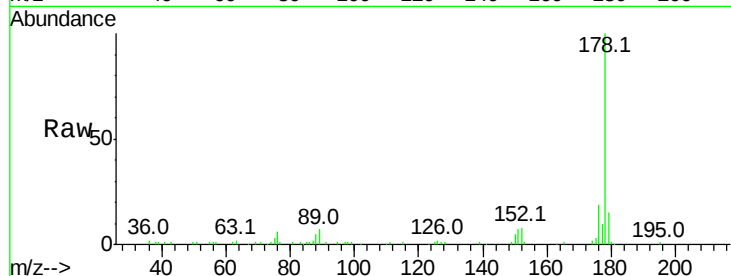




#71
 Anthracene
 Concen: 5.257 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

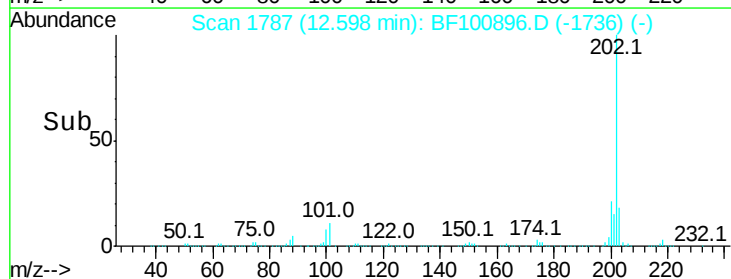
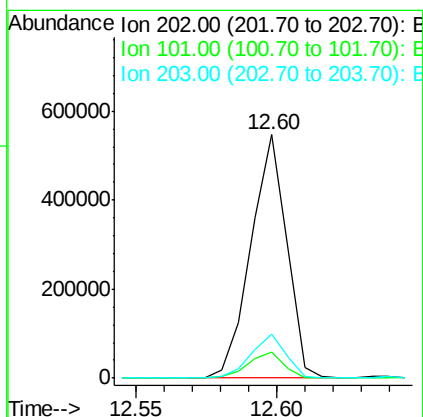
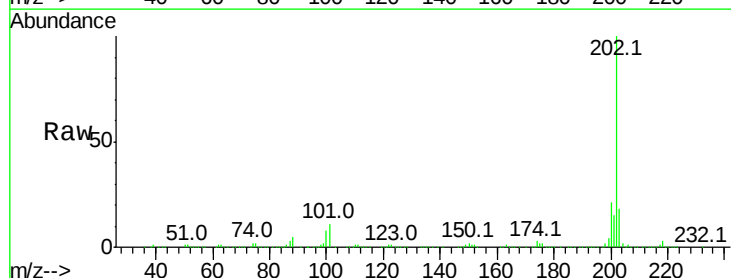
Instrument :
 BNA_F
 ClientSampleId :

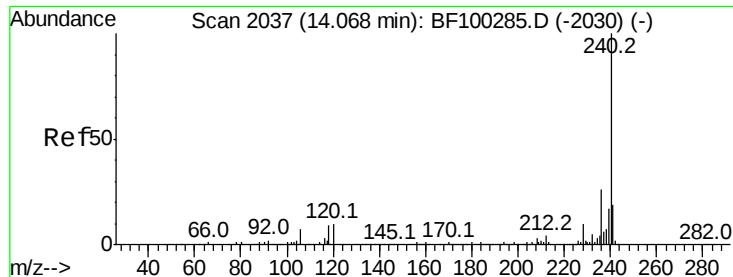
Tot Ion:178 Resp: 66818
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 14.9 12.6 19.0



#74
 Fluoranthene
 Concen: 36.189 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion:202 Resp: 480458
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.1
 203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

ClientSampleId :

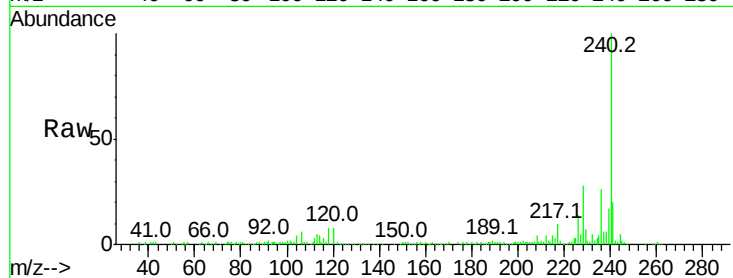
Tot Ion:240 Resp: 153322

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

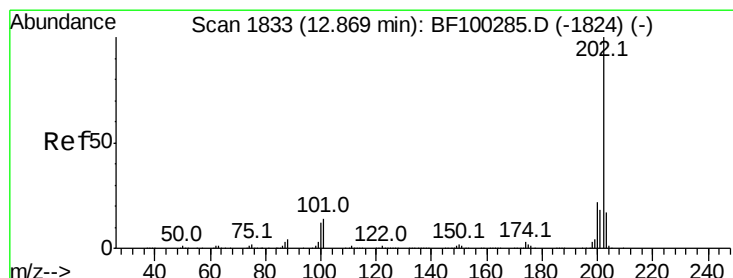
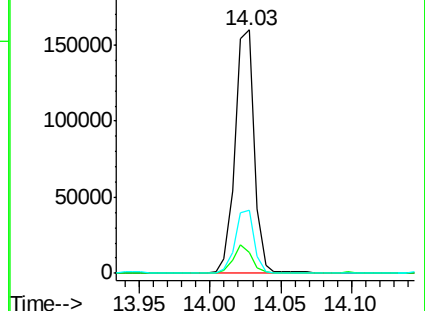
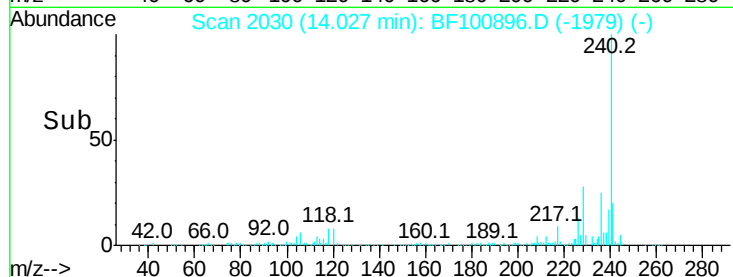
236 25.8 20.7 31.1



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: 48.630 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

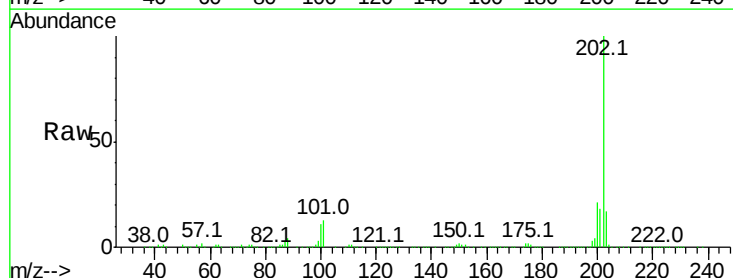
Tgt Ion:202 Resp: 531498

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

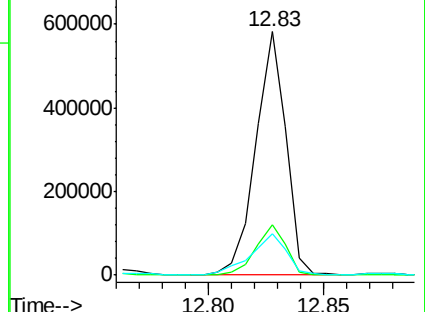
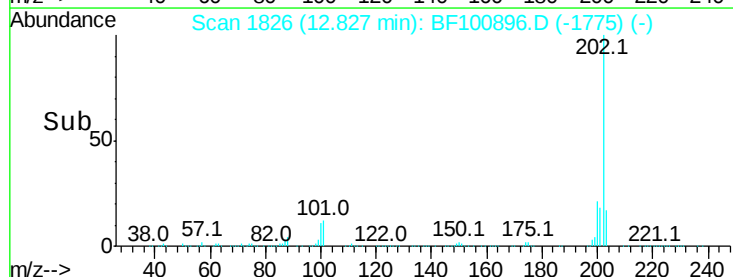
203 17.2 14.3 21.5

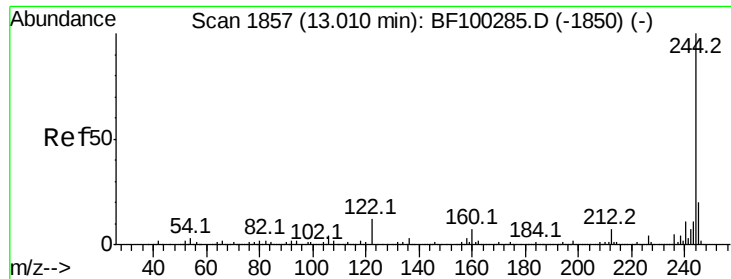


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

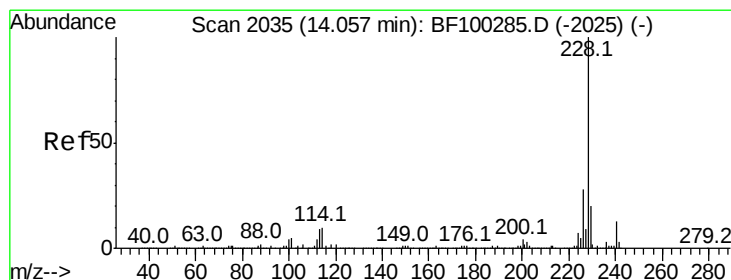
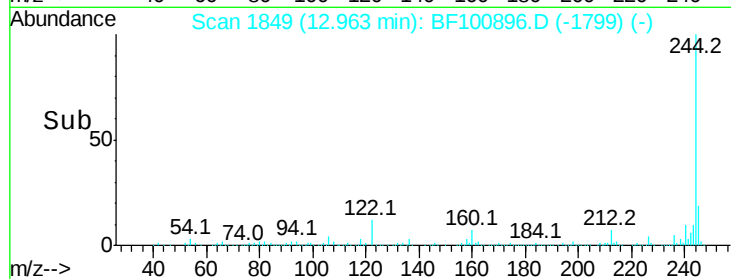
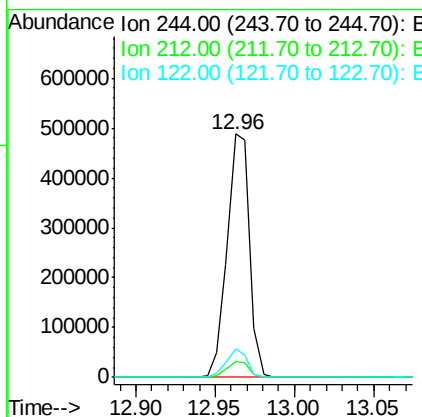
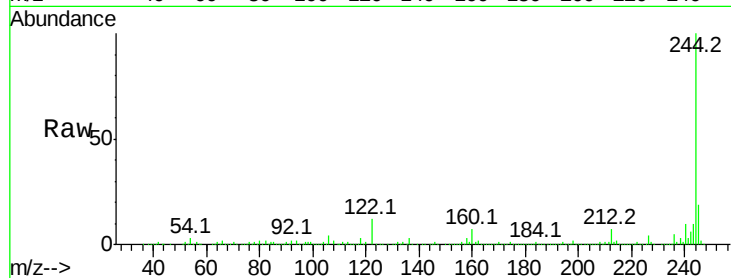




#78
 Terphenyl-d14
 Concen: 71.480 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

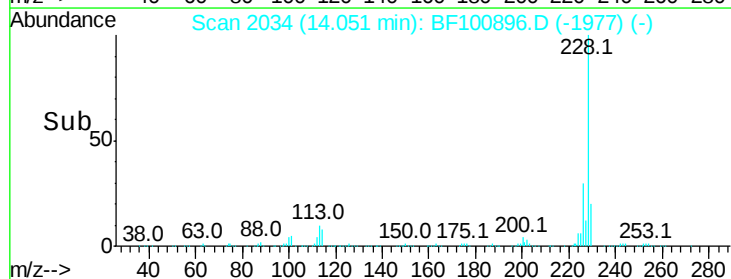
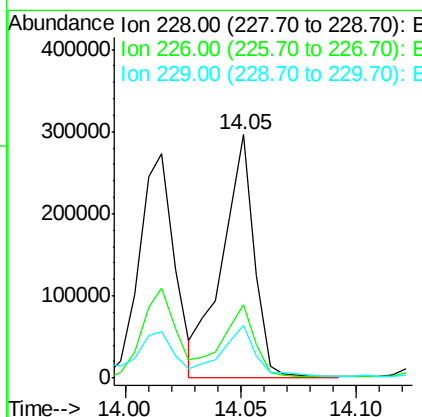
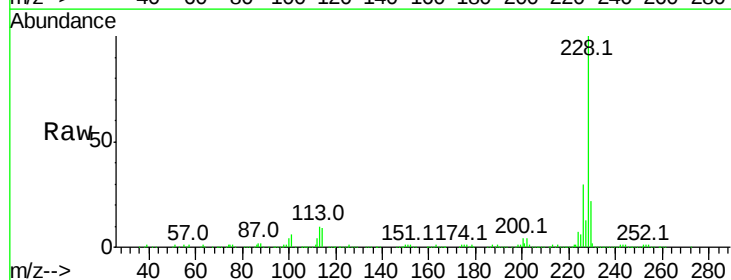
Instrument :
 BNA_F
 ClientSampleId :

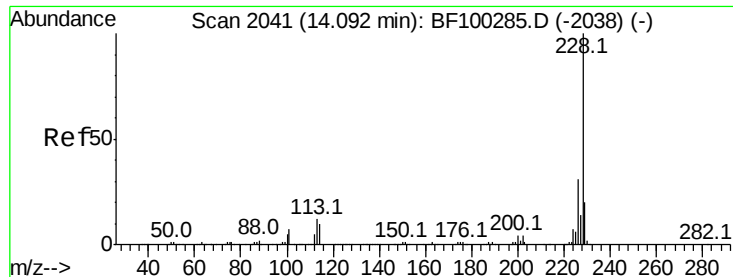
Tot Ion:244 Resp: 476973
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 30.660 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.04 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion:228 Resp: 283088
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 21.7 15.8 23.6





#82

Chrysene

Concen: 31.662 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100896.D

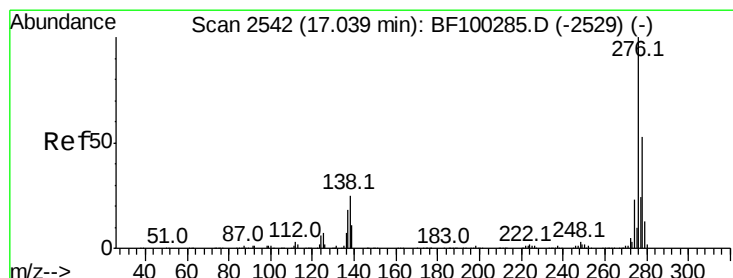
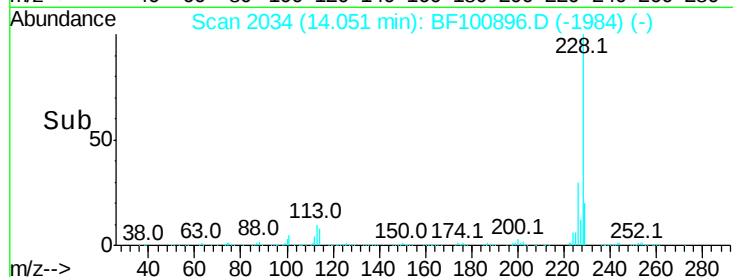
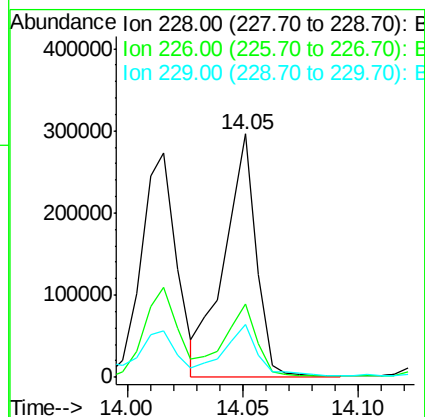
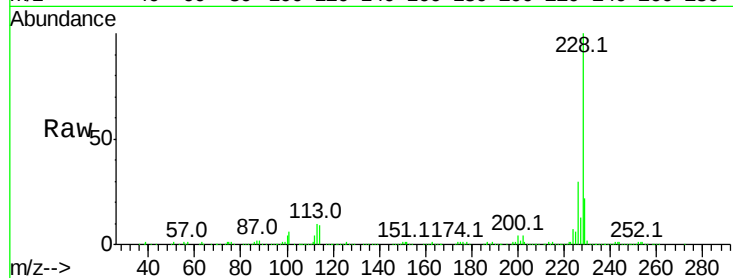
Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	228	Resp:	283088
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.7	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 30.136 ng

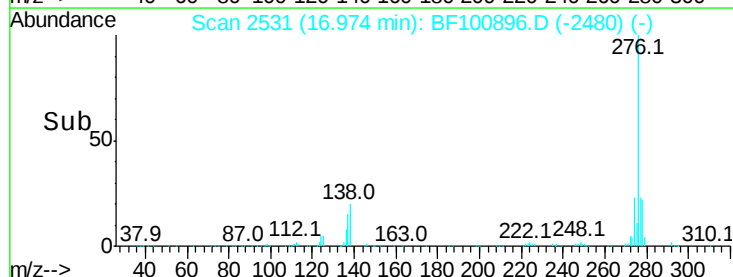
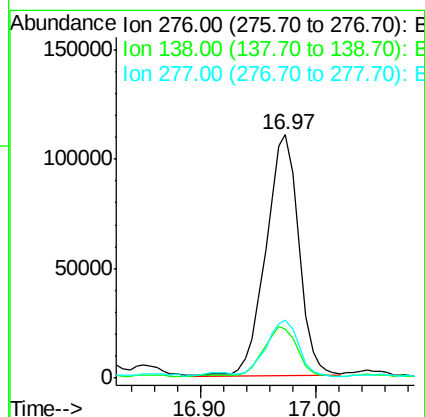
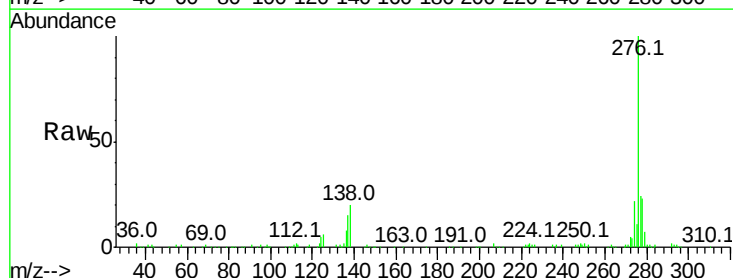
RT: 16.97 min Scan# 2531

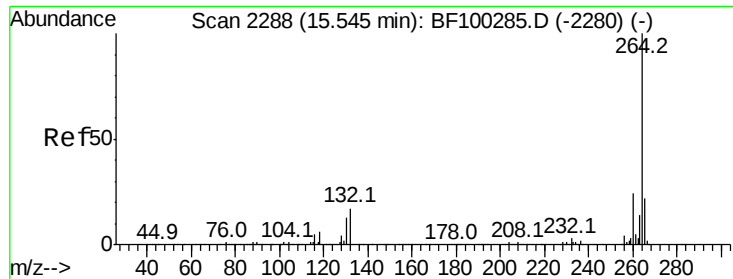
Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion:	276	Resp:	217941
Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	23.2	20.1	30.1

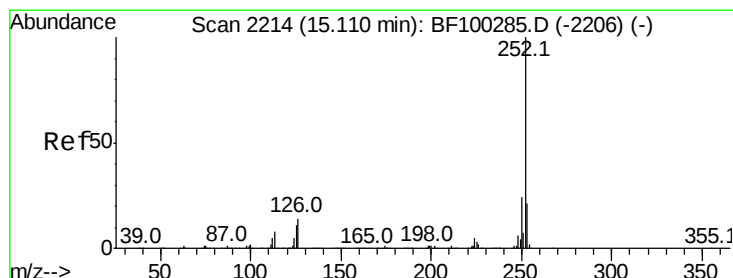
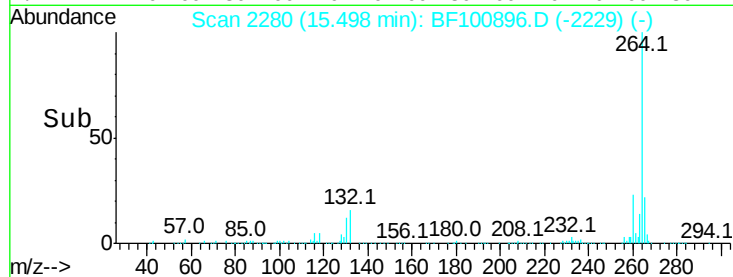
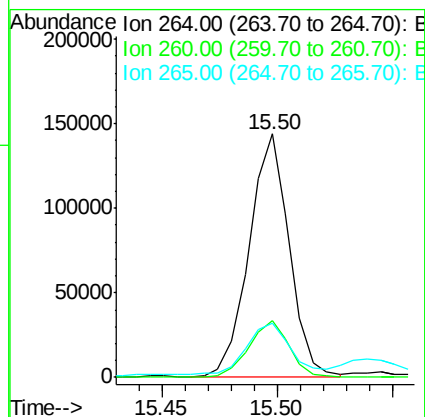
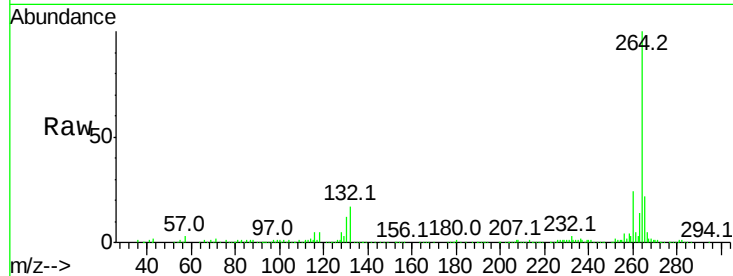




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

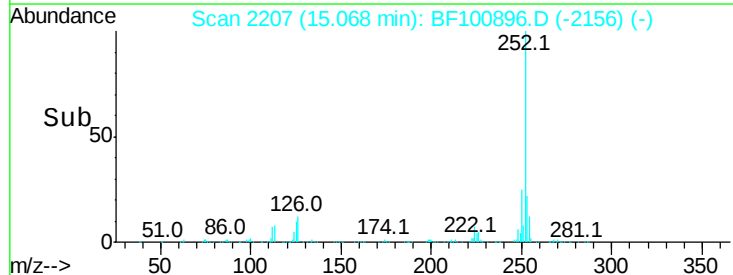
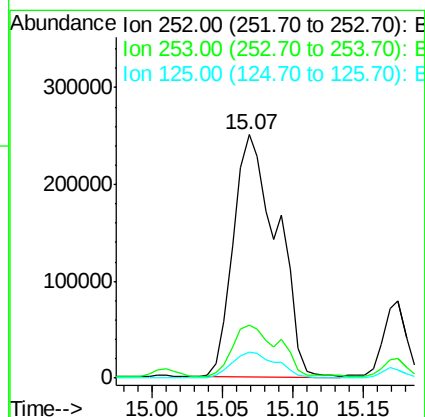
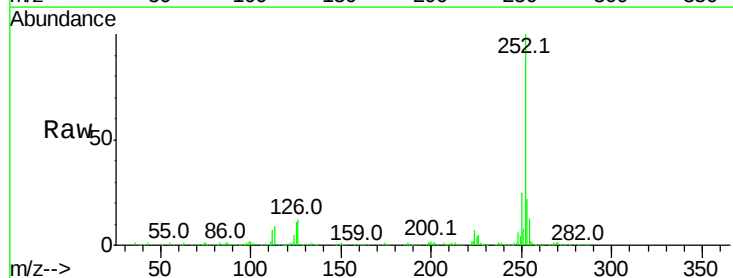
Instrument :
BNA_F
ClientSampleId :

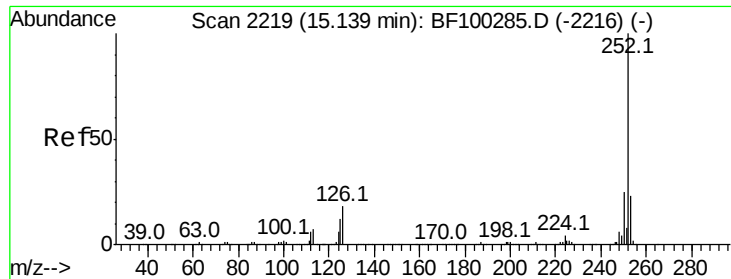
Tot Ion:264 Resp: 173007
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 52.919 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion:252 Resp: 542404
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 10.6 9.0 13.6

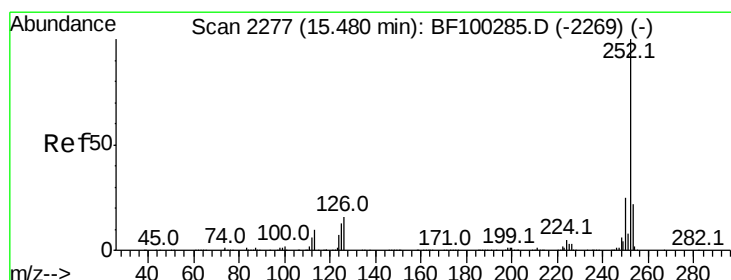
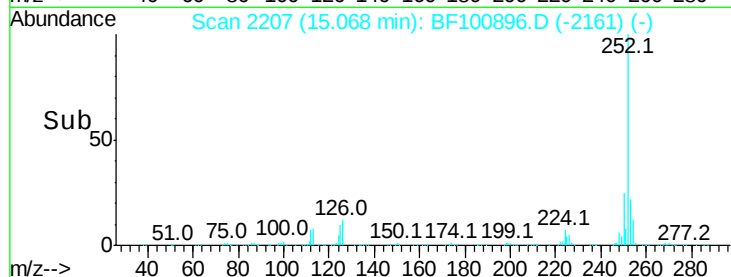
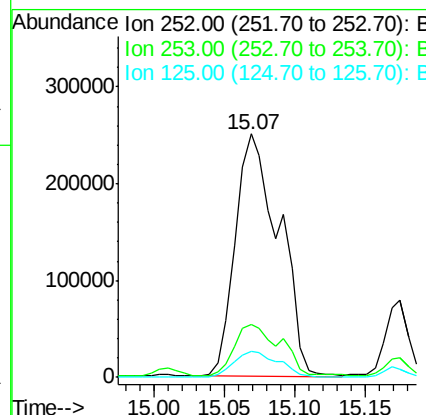
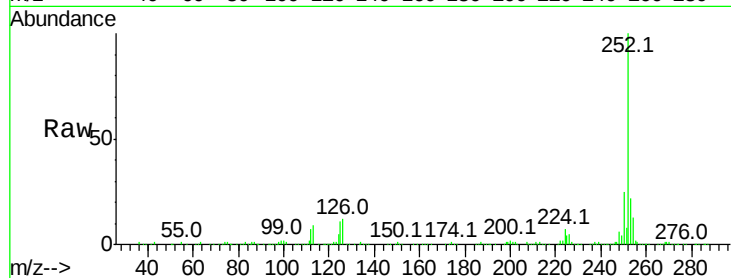




#88
Benzo(k)fluoranthene
Concen: 56.007 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

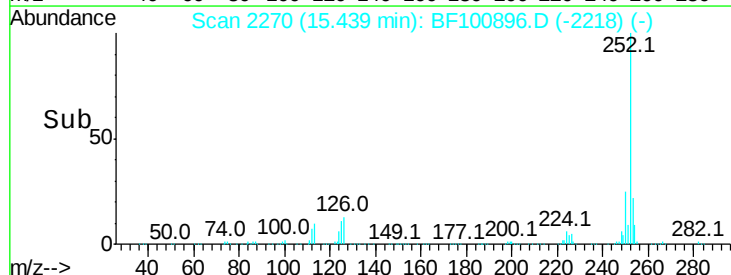
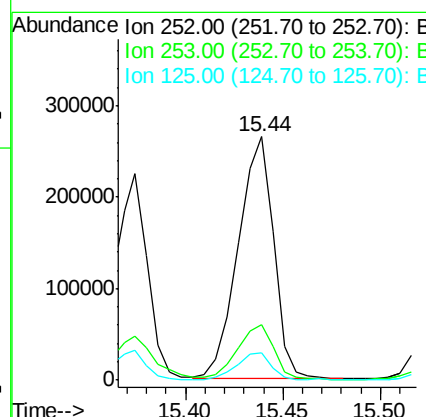
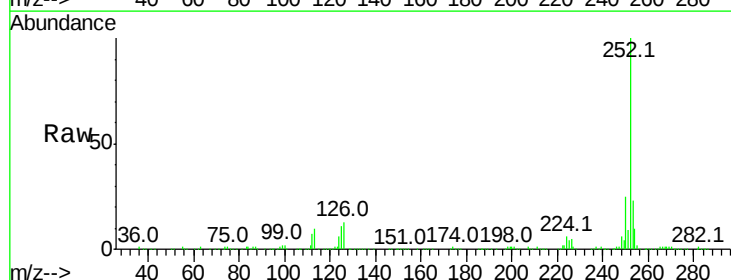
Instrument :
BNA_F
ClientSampleId :

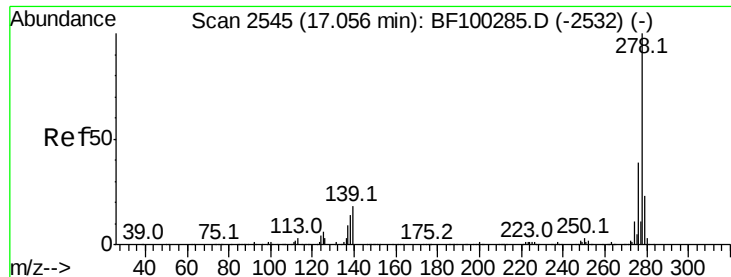
Tot Ion:252 Resp: 542404
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 10.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 36.633 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion:252 Resp: 332875
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 11.4 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.207 ng

RT: 17.20 min Scan# 2570

Delta R.T. 0.21 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

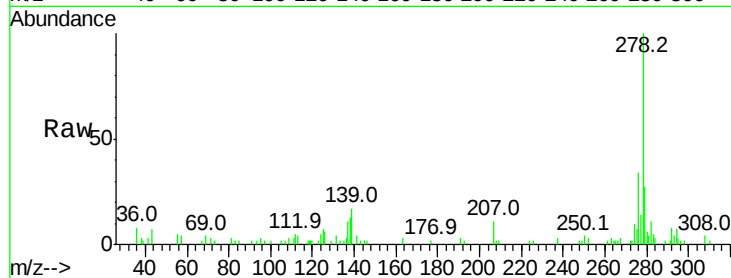
Instrument :

BNA_F

ClientSampled :

Tot Ion:278 Resp: 38694

Ion	Ratio	Lower	Upper
278	100		
139	17.3	15.9	23.9
279	27.5	19.0	28.4

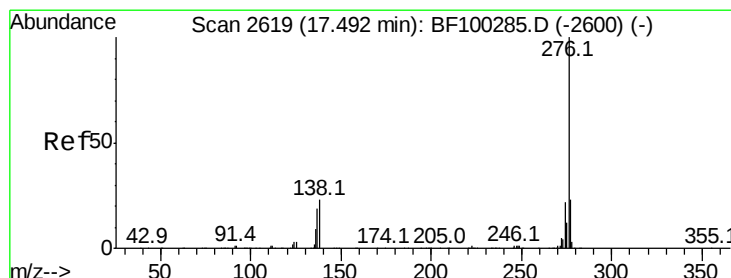
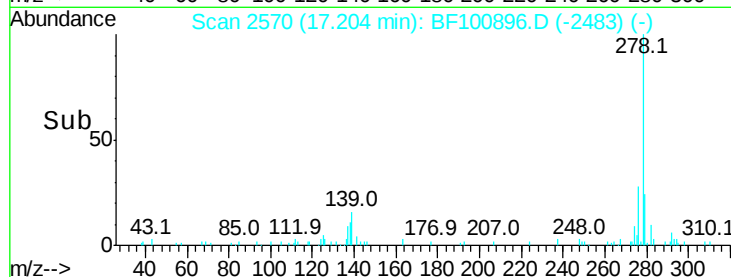
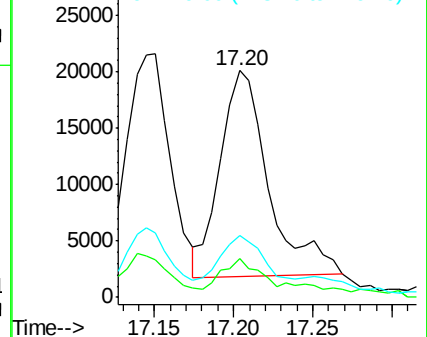


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 32.627 ng

RT: 17.43 min Scan# 2608

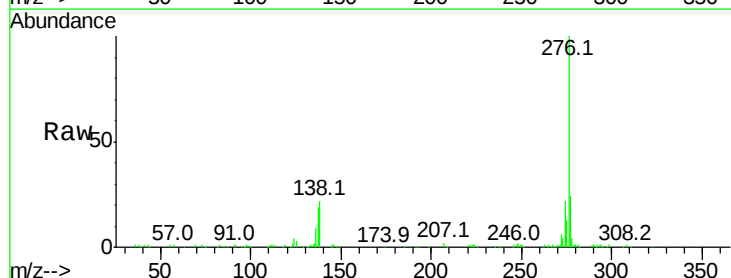
Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion:276 Resp: 237338

Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	22.2	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

