

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100898.D
 Acq On : 27 Nov 2017 18:01
 Operator : SJ/JU
 Sample : I6548-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 21:59:22 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

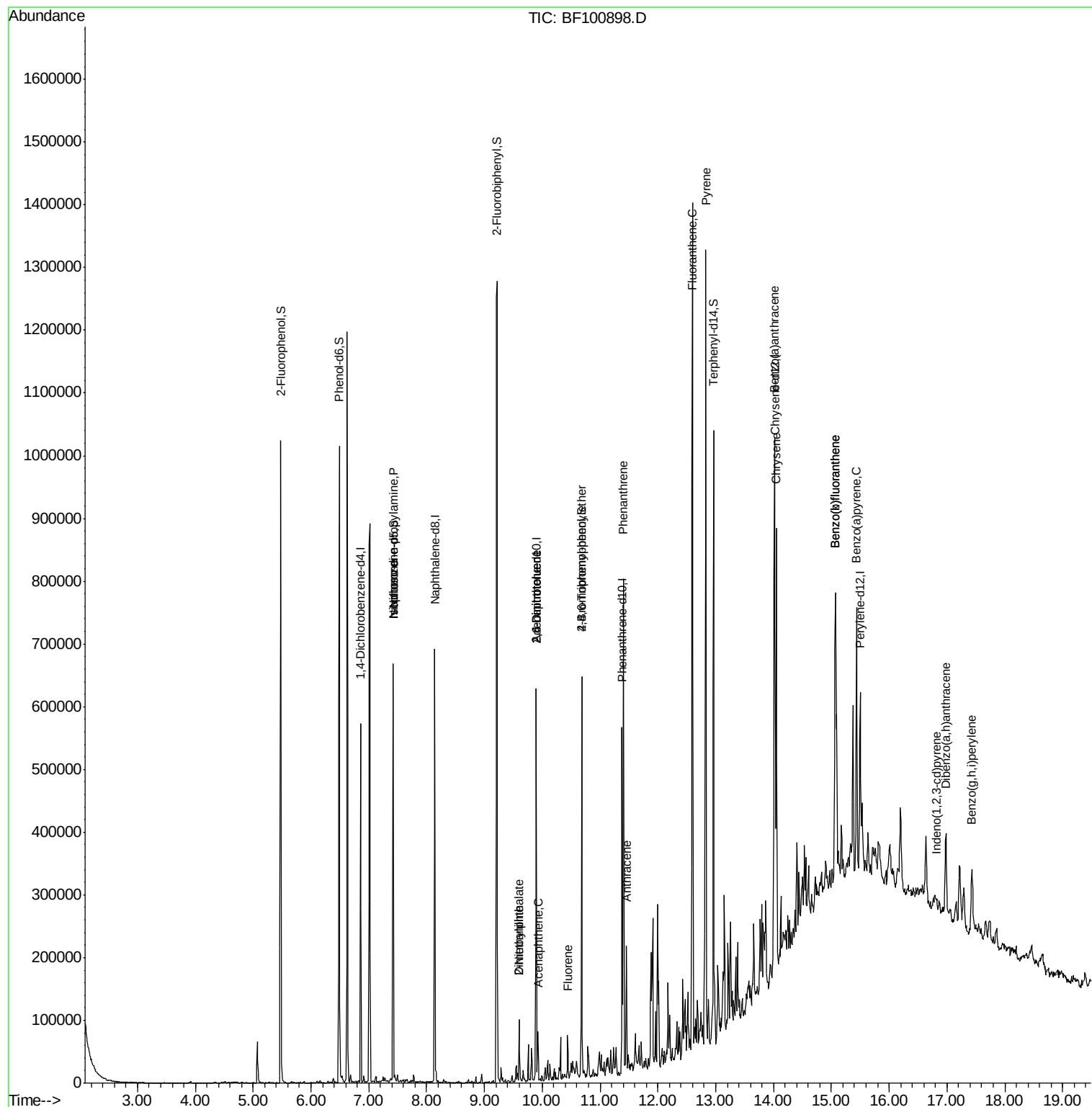
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76777	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	284688	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	118826	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	185676	20.00	ng	0.00
75) Chrysene-d12	14.03	240	157606	20.00	ng	0.00
86) Perylene-d12	15.50	264	130704	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	275586	57.54	ng	0.00
7) Phenol-d6	6.49	99	330561	55.97	ng	0.00
23) Nitrobenzene-d5	7.42	82	206599	47.98	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	72131	59.57	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	429557	55.05	ng	0.00
78) Terphenyl-d14	12.96	244	303314	44.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	27085	6.613	ng	# 80
25) Isophorone	7.42	82	206596	22.831	ng	# 64
47) 2-Nitroaniline	9.60	65	121	2.836	ng	# 1
49) Dimethylphthalate	9.60	163	31071	3.425	ng	99
50) 2,6-Dinitrotoluene	9.89	165	15532	8.649	ng	# 24
51) Acenaphthene	9.93	154	15553	2.070	ng	98
56) 2,4-Dinitrotoluene	9.89	165	15532	6.856	ng	# 21
57) Fluorene	10.44	166	18301	2.372	ng	96
66) 4-Bromophenyl-phenylether	10.68	248	4355	2.188	ng	# 1
70) Phenanthrene	11.40	178	290860	29.752	ng	99
71) Anthracene	11.46	178	75280	7.590	ng	96
74) Fluoranthene	12.60	202	511053	49.326	ng	96
77) Pyrene	12.83	202	541800	48.225	ng	99
80) Benzo(a)anthracene	14.02	228	288329	30.379	ng	97
82) Chrysene	14.05	228	269927	29.370	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	17093	2.299	ng	90
87) Benzo(b)fluoranthene	15.07	252	365572	47.210	ng	98
88) Benzo(k)fluoranthene	15.07	252	365572	49.965	ng	98
89) Benzo(a)pyrene	15.44	252	194137	28.280	ng	99
90) Dibenzo(a,h)anthracene	16.99	278	23716	4.224	ng	# 81
91) Benzo(g,h,i)perylene	17.43	276	84950	15.458	ng	# 93

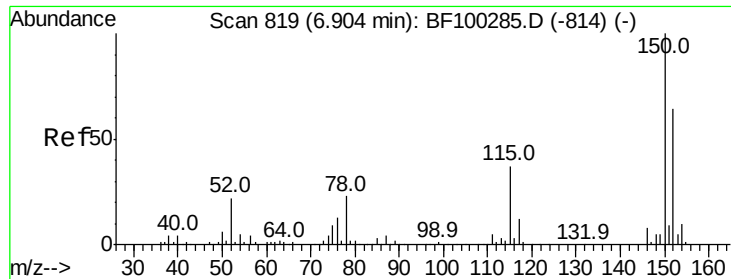
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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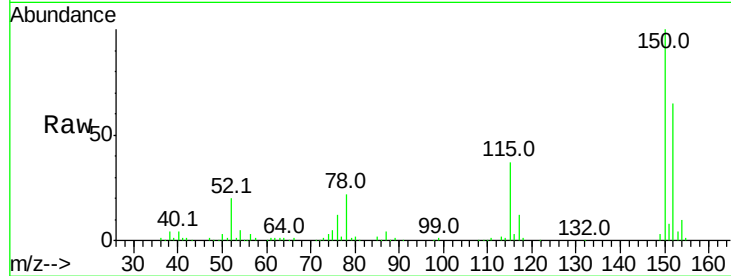


#1

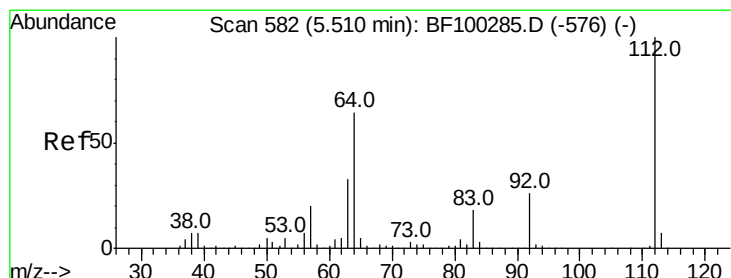
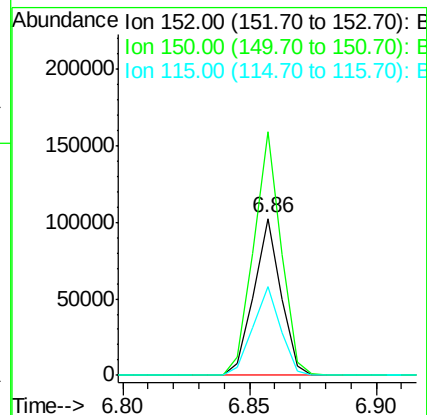
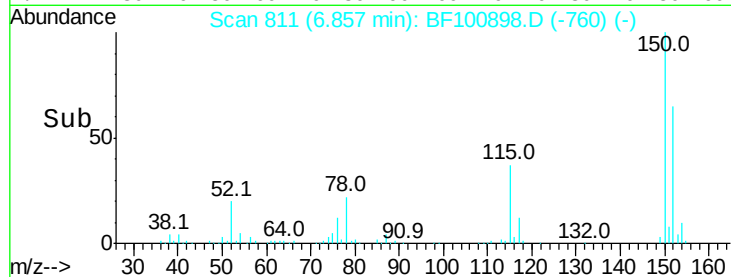
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 76777
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.6 186.8
 115 56.8 50.1 75.1



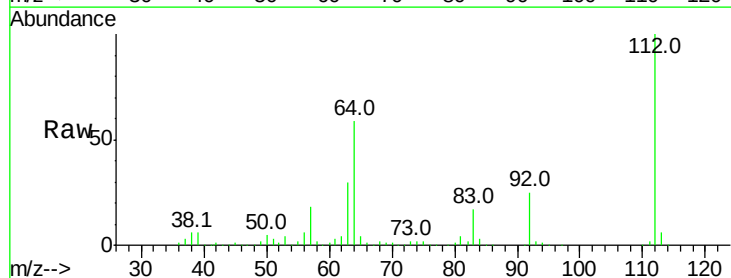
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



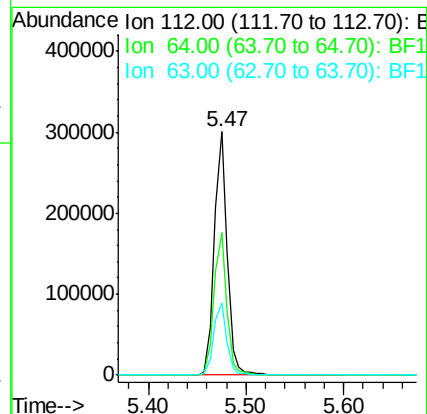
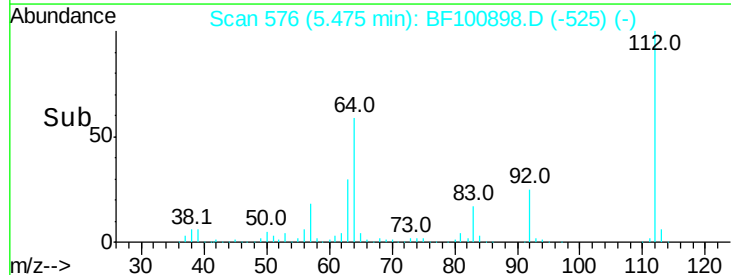
#5

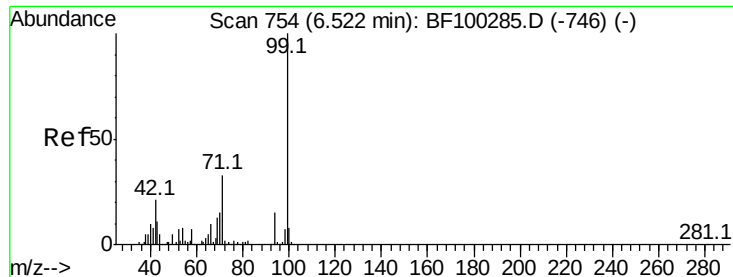
2-Fluorophenol
 Concen: 57.538 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion:112 Resp: 275586
 Ion Ratio Lower Upper
 112 100
 64 58.6 47.9 71.9
 63 29.8 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: 55.968 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampled :

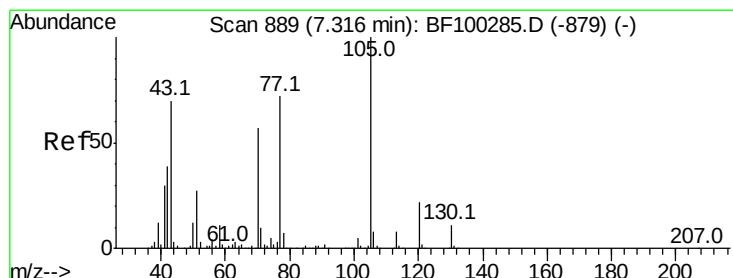
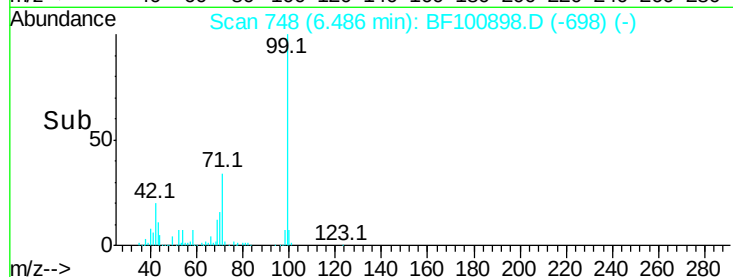
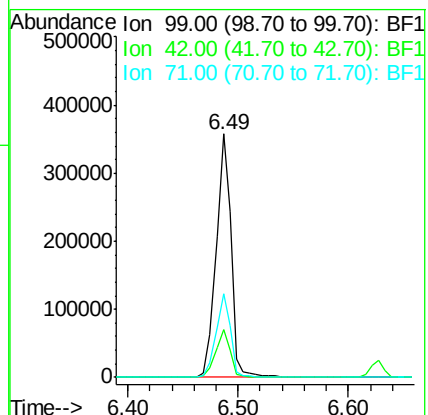
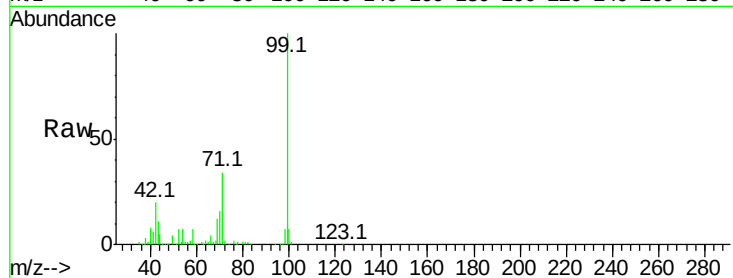
Tot Ion: 99 Resp: 330561

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.613 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Tgt Ion: 70 Resp: 27085

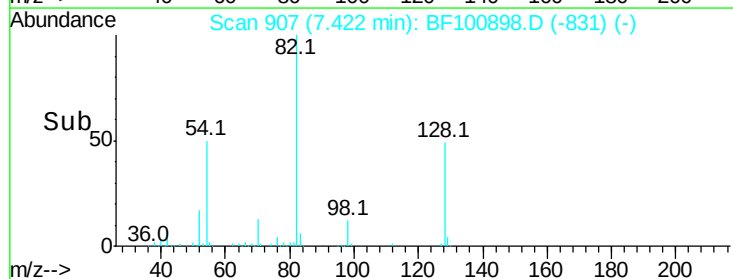
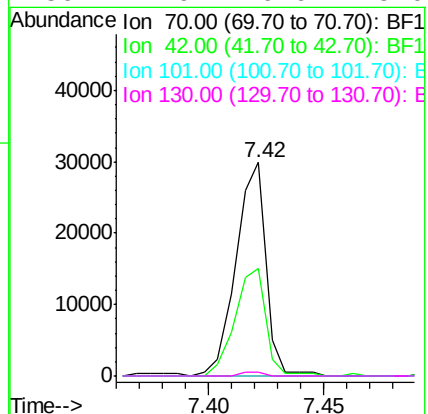
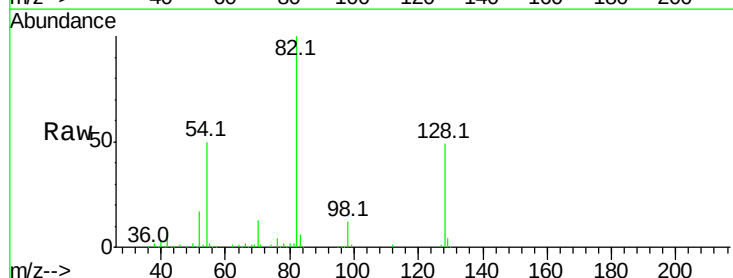
Ion Ratio Lower Upper

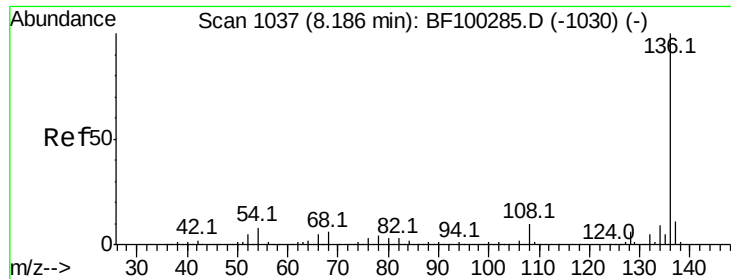
70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

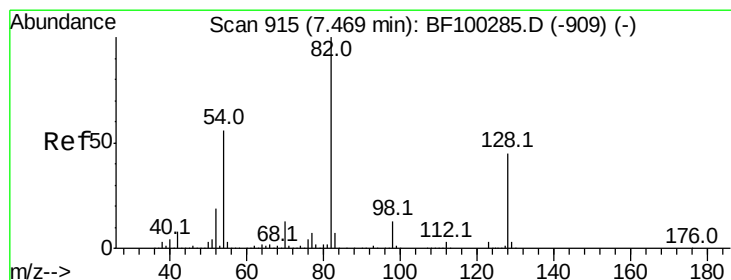
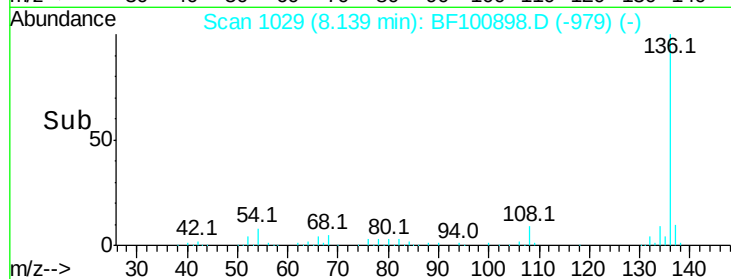
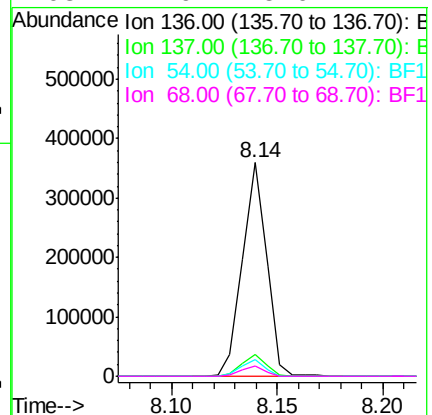
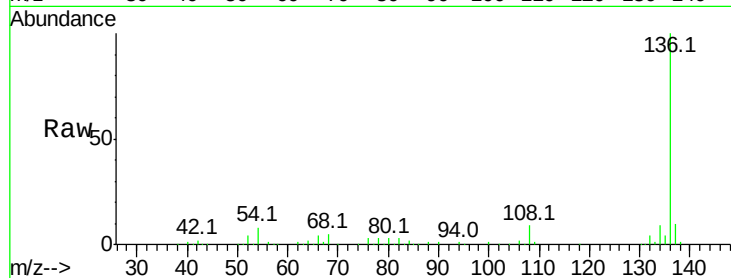




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

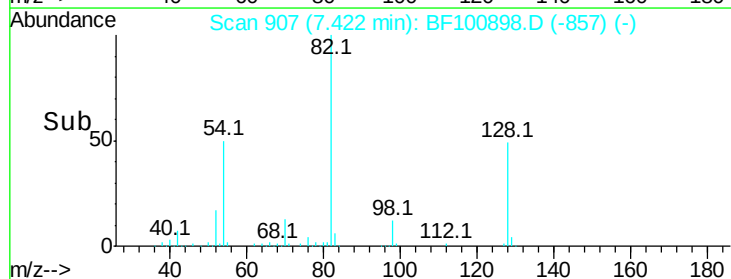
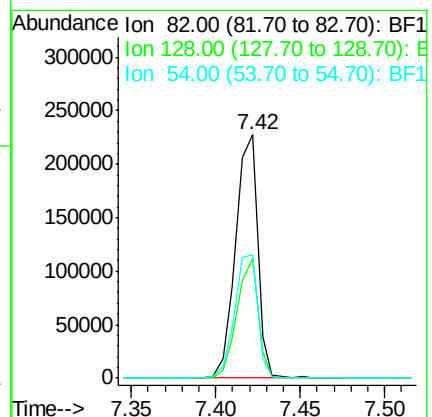
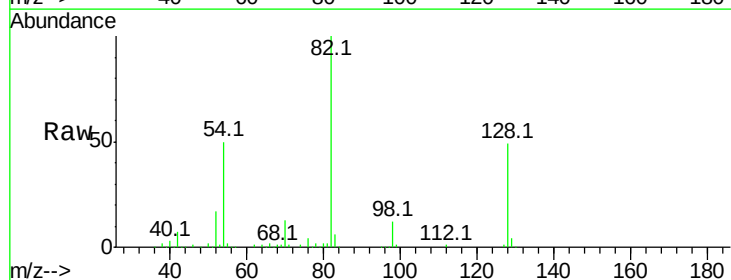
Instrument :
BNA_F
ClientSampleId :

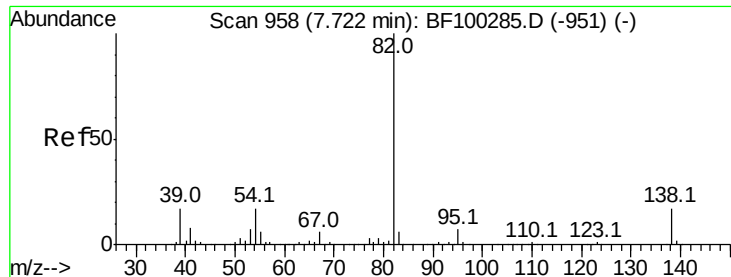
Tot Ion:	136	Resp:	284688
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	7.5	6.6	9.8
68	4.9	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 47.979 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion:	82	Resp:	206599
Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	50.5	41.4	62.2





#25

Isophorone

Concen: 22.831 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

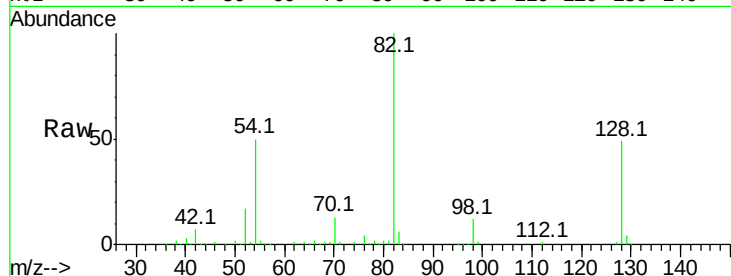
Tot Ion: 82 Resp: 206596

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

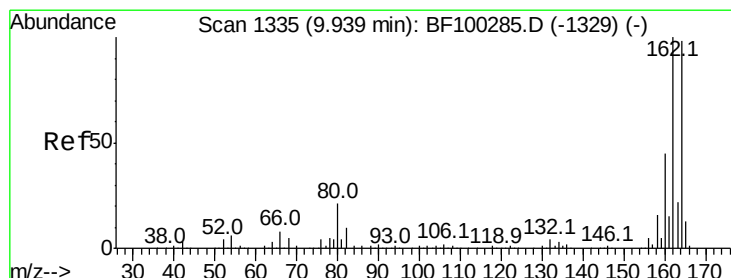
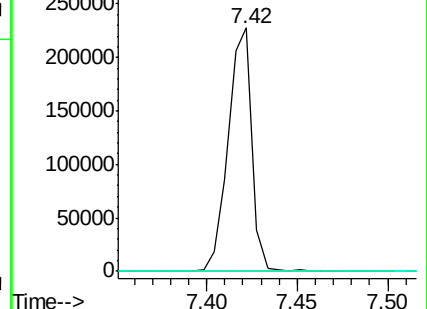
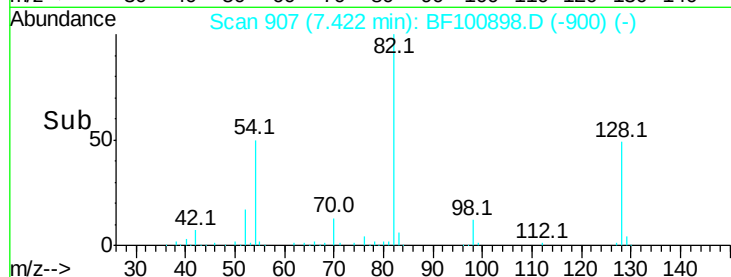
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

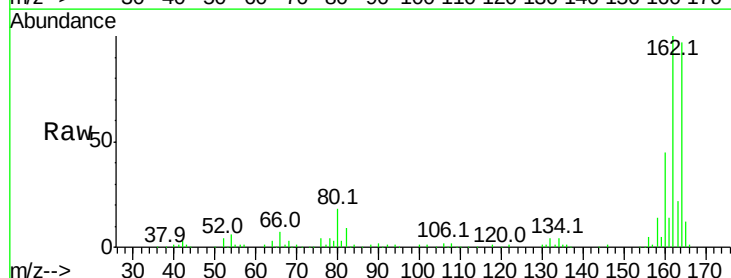
Tgt Ion:164 Resp: 118826

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

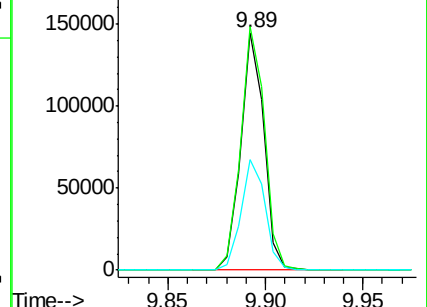
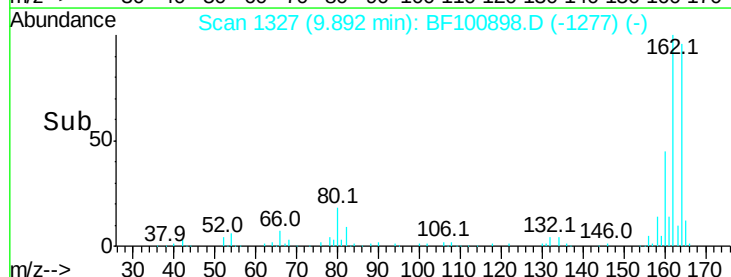
160 46.3 38.3 57.5

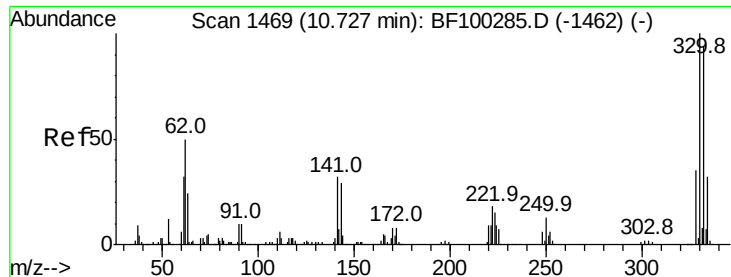


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

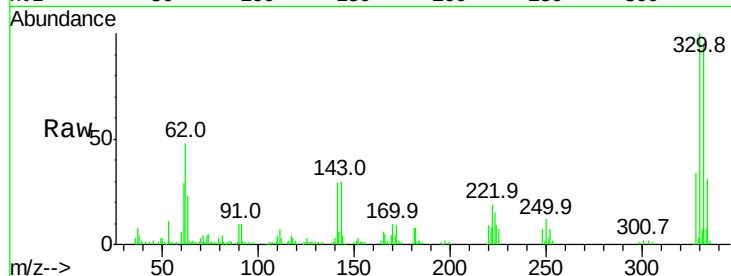




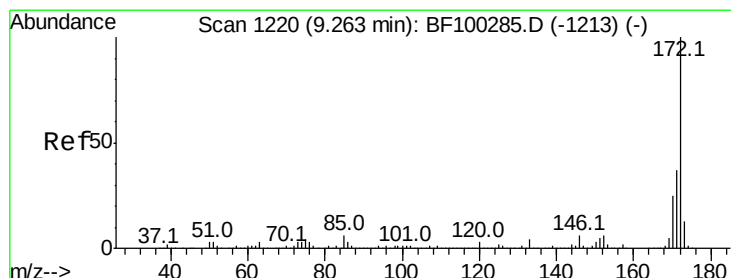
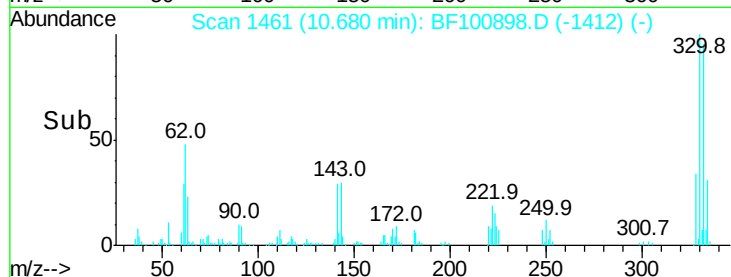
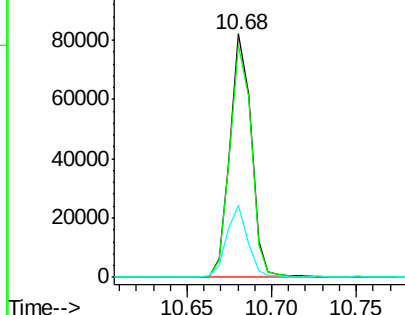
#41
 2,4,6-Tribromophenol
 Concen: 59.571 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	29.1	29.9	44.9#

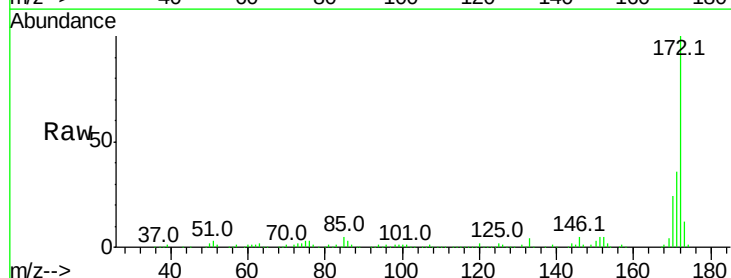


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

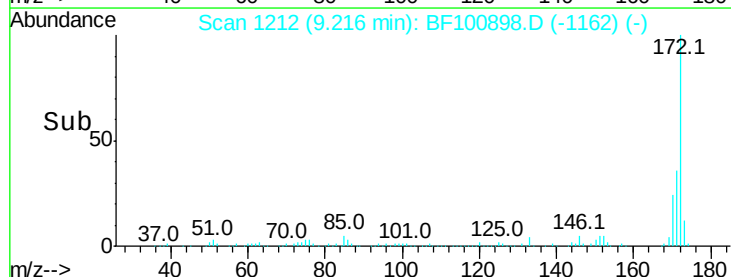
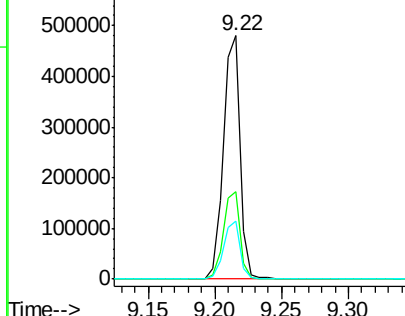


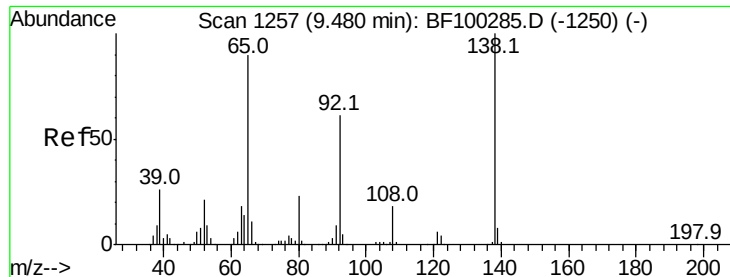
#44
 2-Fluorobiphenyl
 Concen: 55.046 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

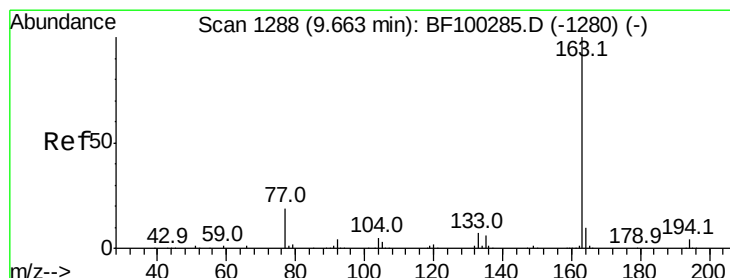
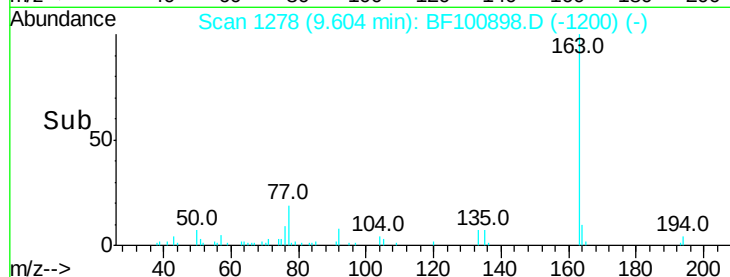
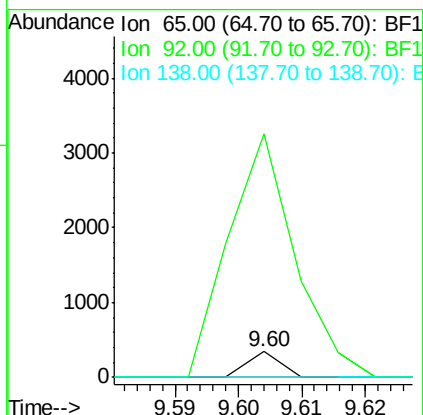
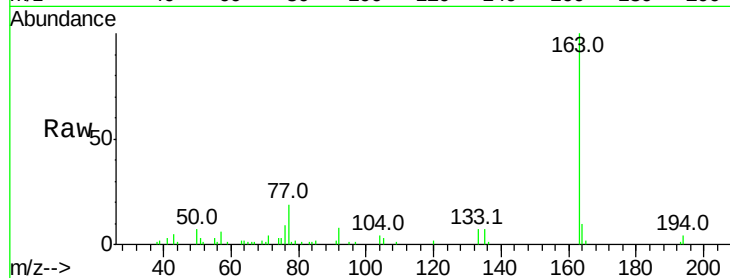




#47
2-Nitroaniline
Concen: 2.836 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.16 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

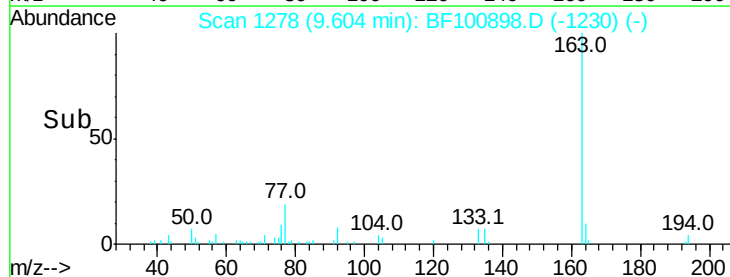
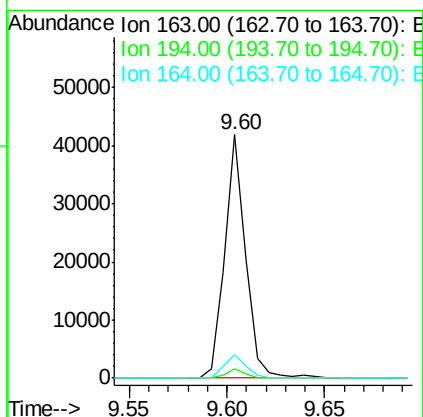
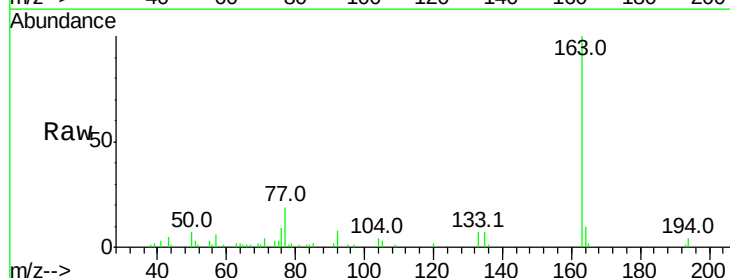
Instrument :
BNA_F
ClientSampleId :

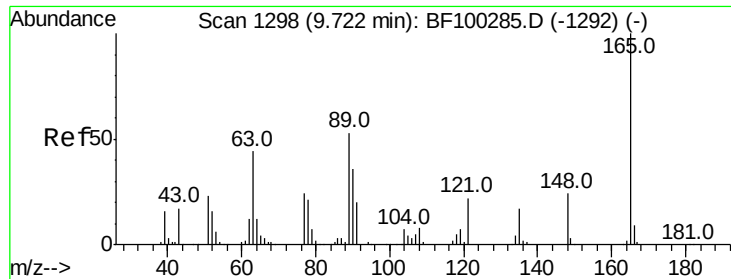
Tot Ion: 65 Resp: 121
Ion Ratio Lower Upper
65 100
92 949.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 3.425 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion:163 Resp: 31071
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.7 8.2 12.2

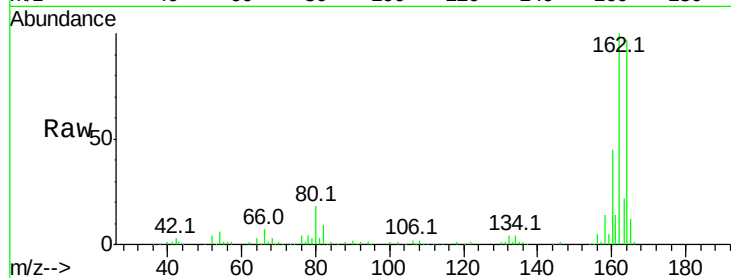




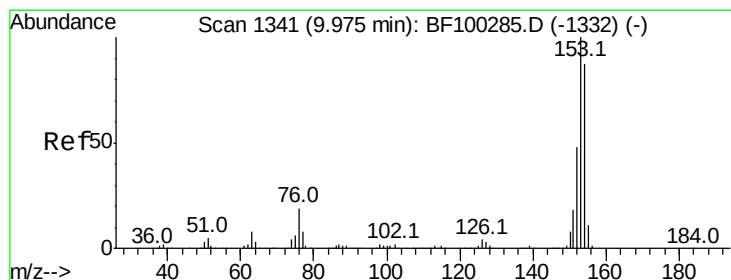
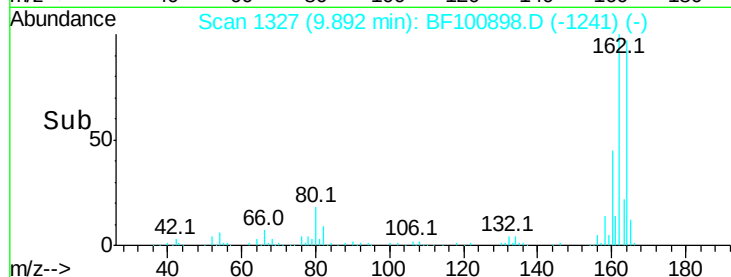
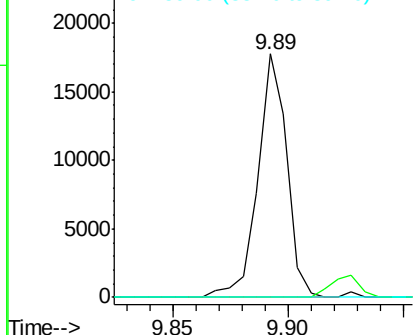
#50
 2,6-Dinitrotoluene
 Concen: 8.649 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

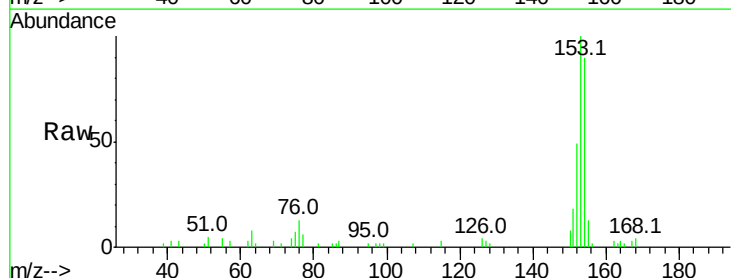


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

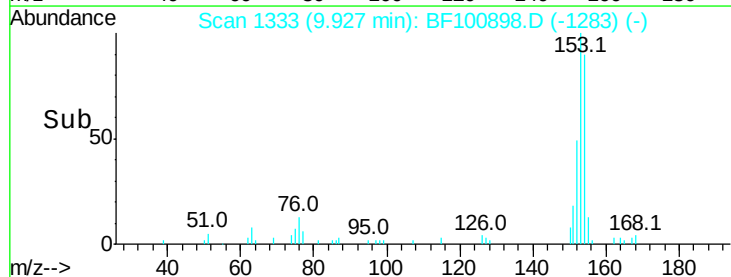
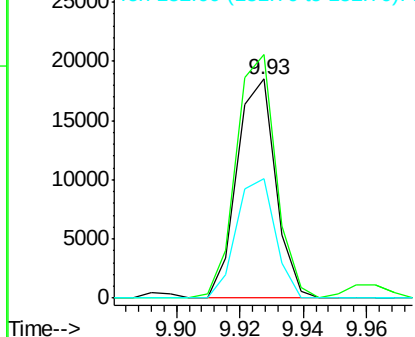


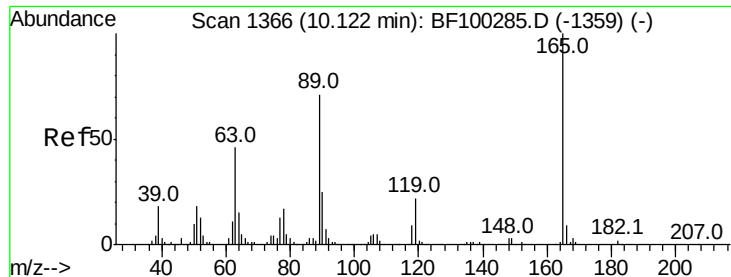
#51
 Acenaphthene
 Concen: 2.070 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	91.2	136.8
152	54.5	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

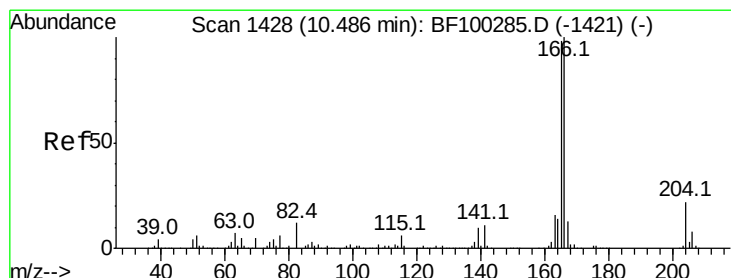
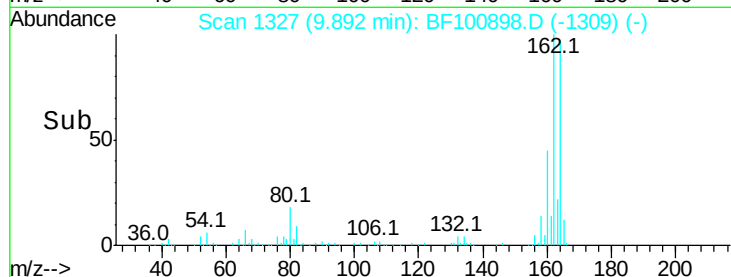
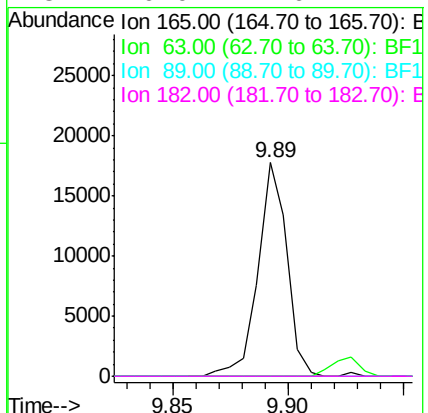
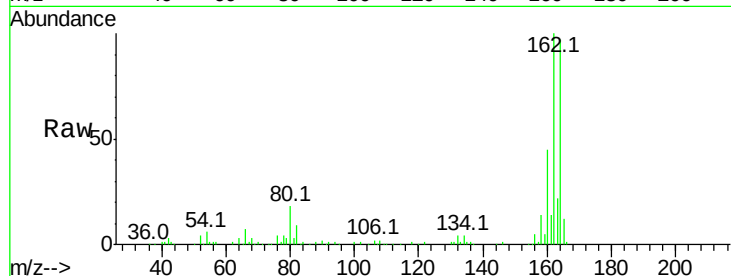




#56
 2,4-Dinitrotoluene
 Concen: 6.856 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

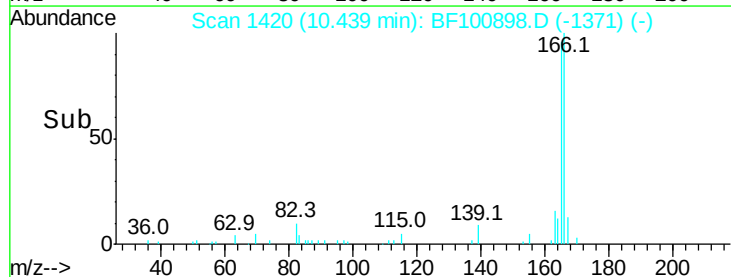
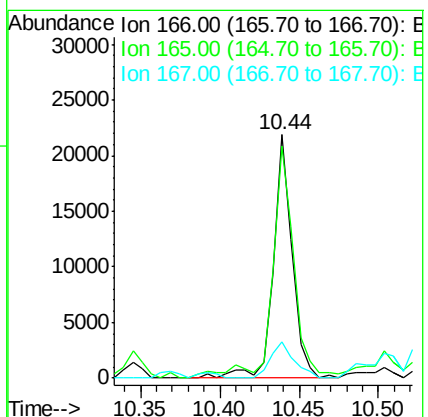
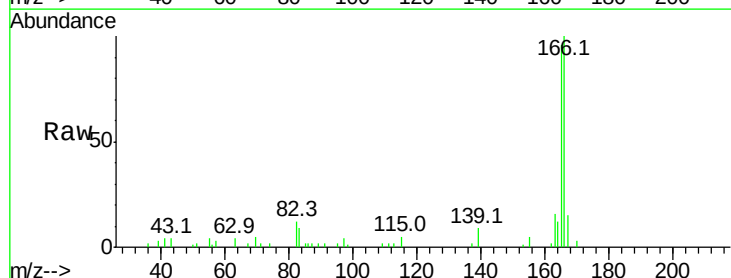
Instrument :
 BNA_F
 ClientSampleId :

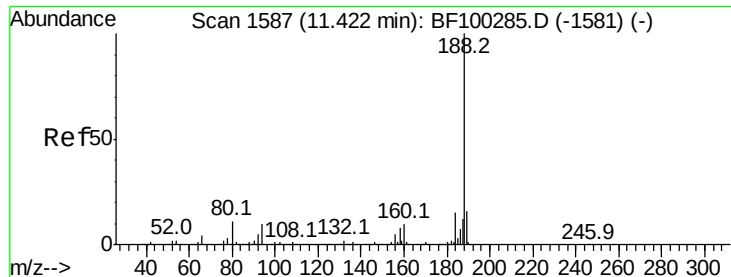
Tot Ion:	165	Resp:	15532
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 2.372 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion:	166	Resp:	18301
Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.8	119.8
167	14.9	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

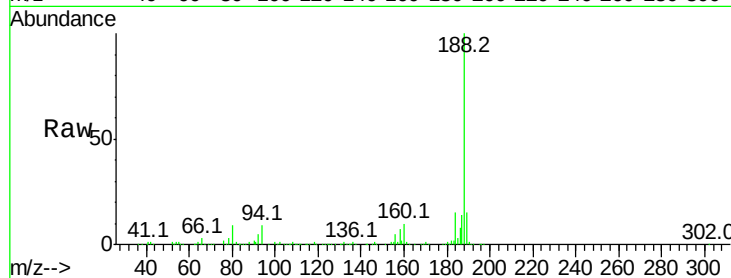
Tot Ion:188 Resp: 185676

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

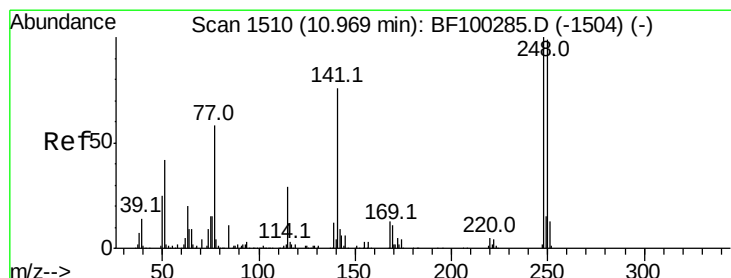
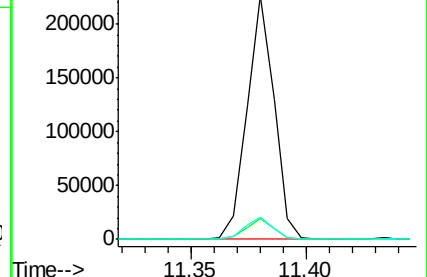
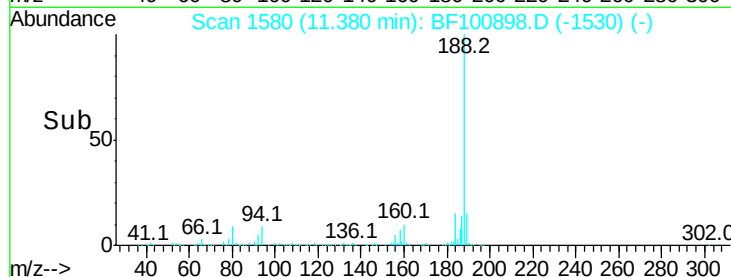
80 9.3 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.188 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

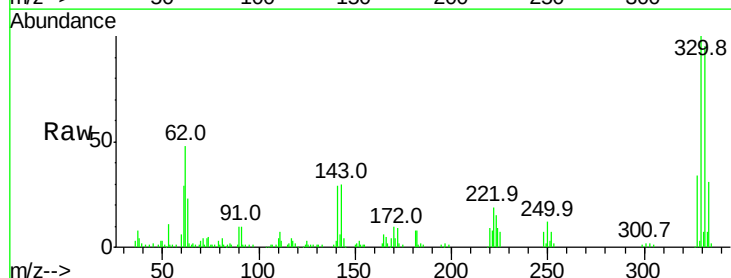
Tgt Ion:248 Resp: 4355

Ion Ratio Lower Upper

248 100

250 184.3 76.9 115.3#

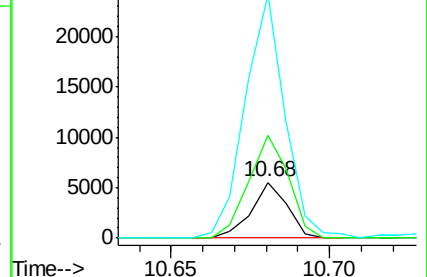
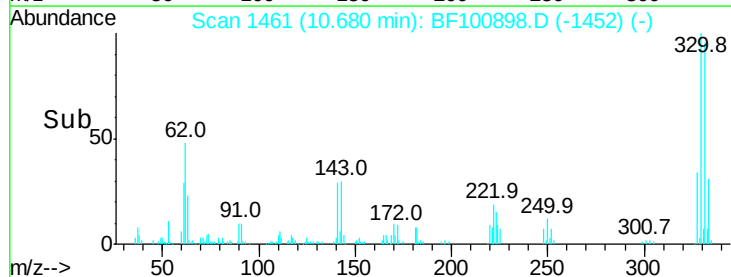
141 436.6 74.4 111.6#

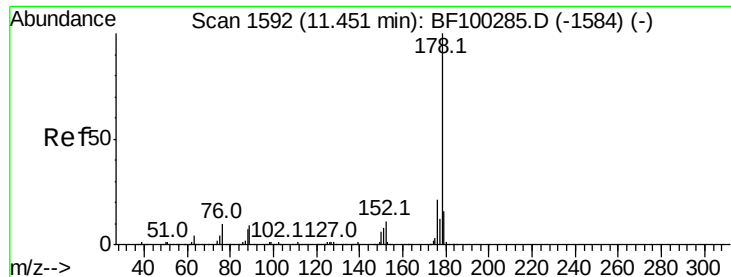


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

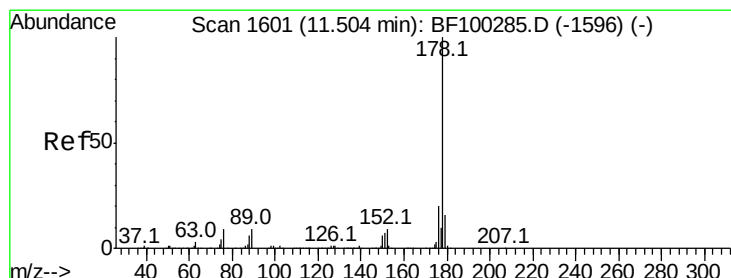
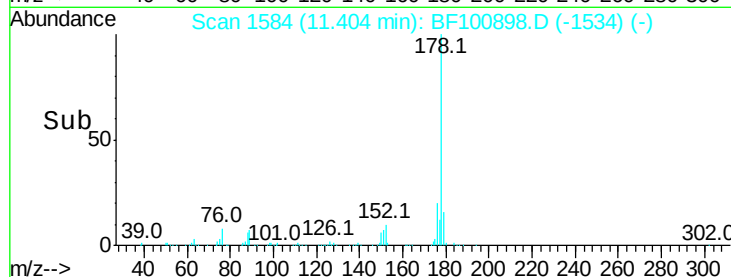
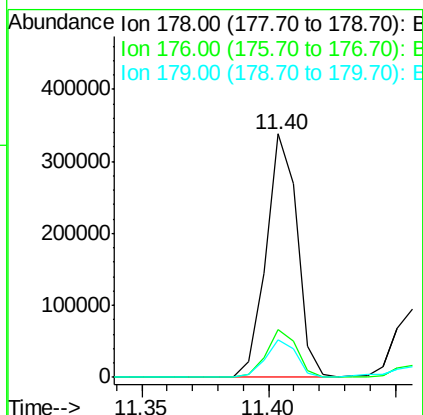
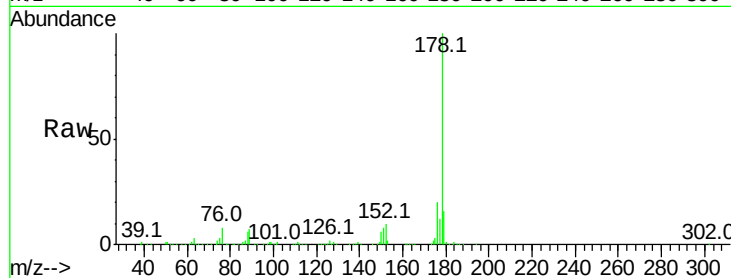




#70
Phenanthrene
Concen: 29.752 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

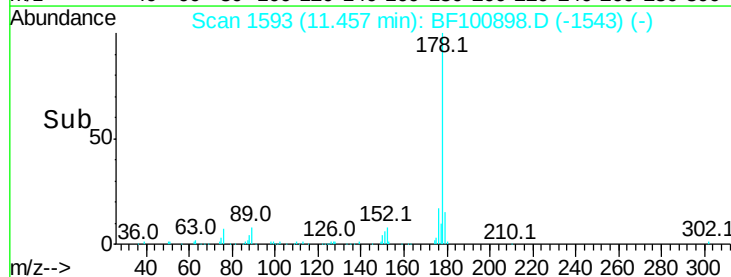
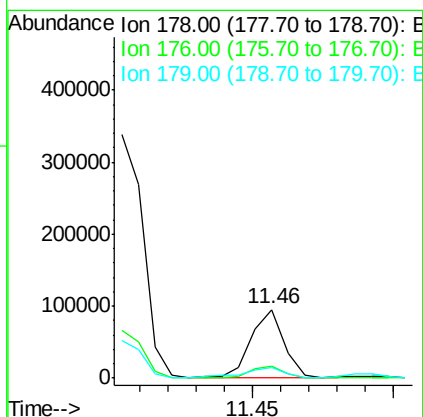
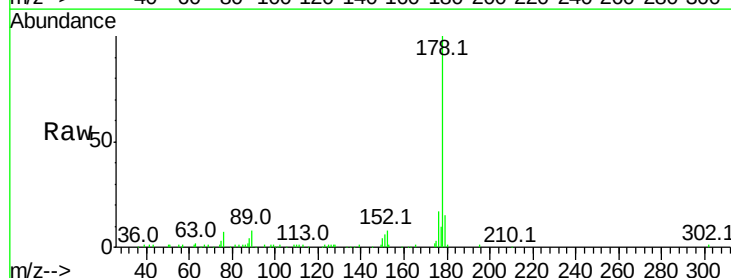
Instrument :
BNA_F
ClientSampleId :

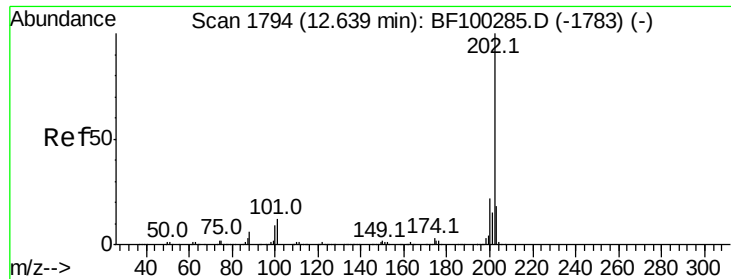
Tot Ion:178 Resp: 290860
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 7.590 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion:178 Resp: 75280
Ion Ratio Lower Upper
178 100
176 17.0 15.4 23.2
179 15.1 12.6 19.0





#74

Fluoranthene

Concen: 49.326 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

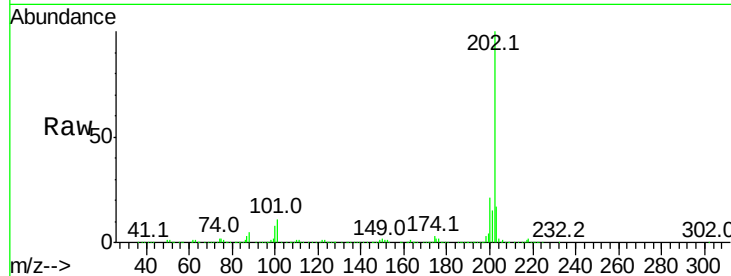
Tot Ion:202 Resp: 511053

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

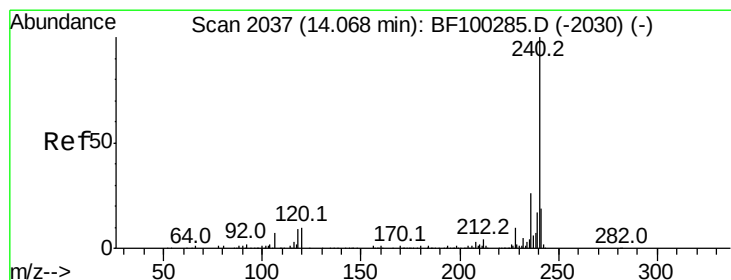
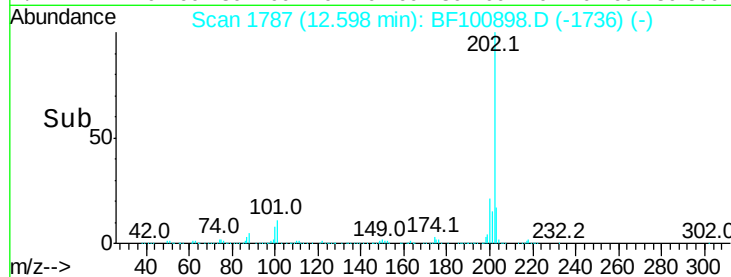
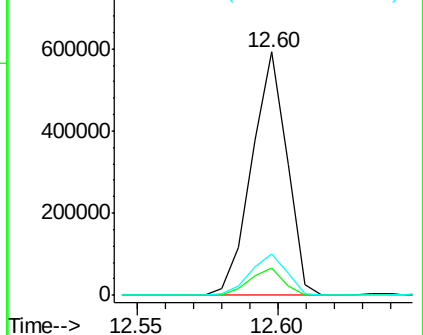
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

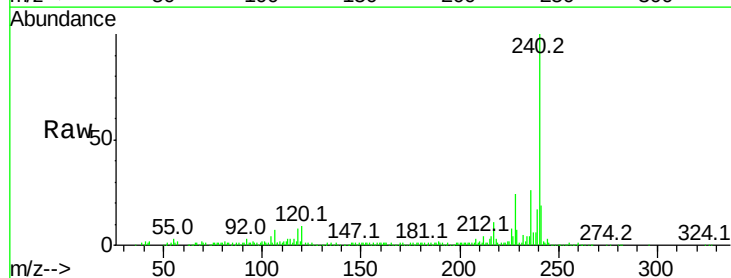
Tgt Ion:240 Resp: 157606

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

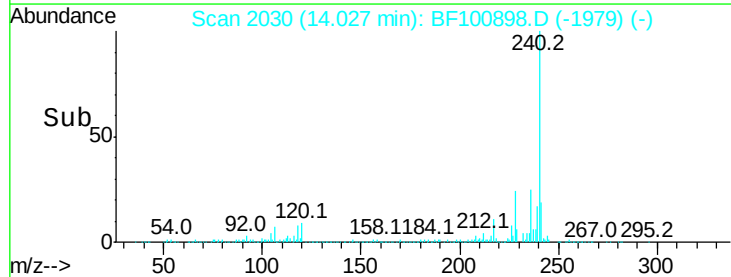
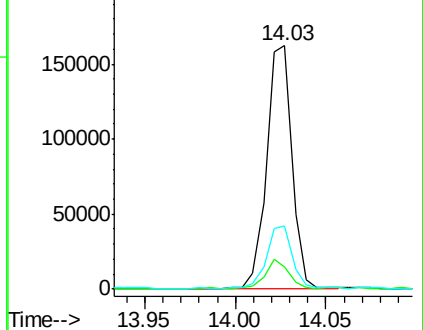
236 25.8 20.7 31.1

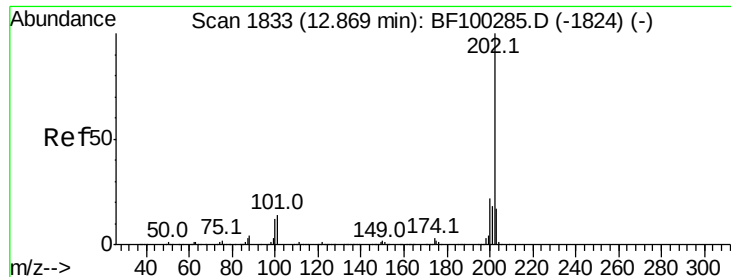


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 48.225 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

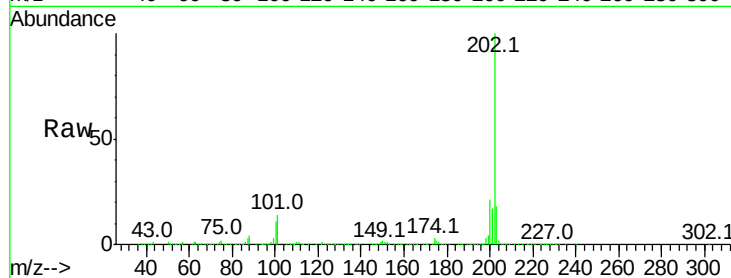
Tot Ion:202 Resp: 541800

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

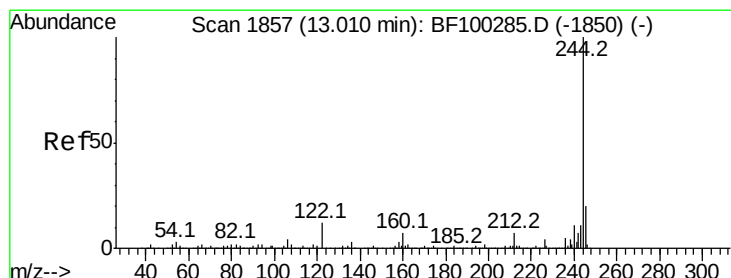
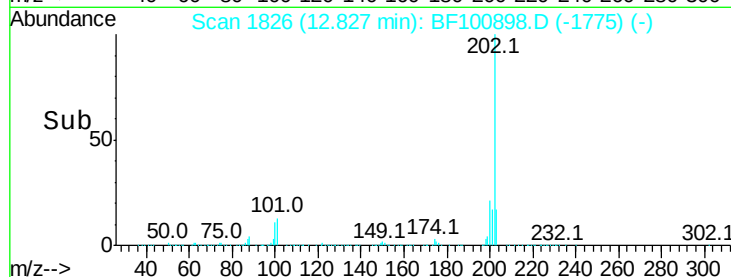
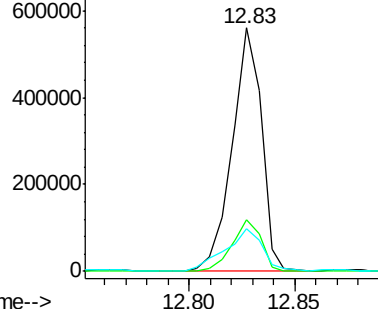
203 17.7 14.3 21.5



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: 44.220 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

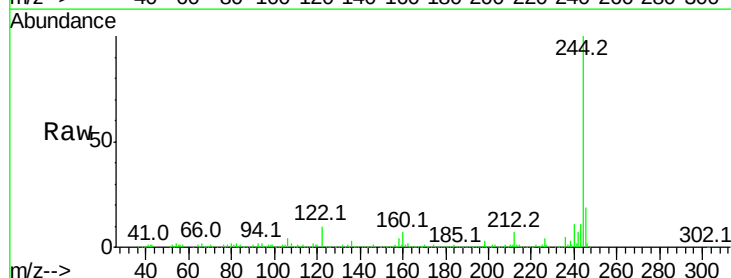
Tgt Ion:244 Resp: 303314

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

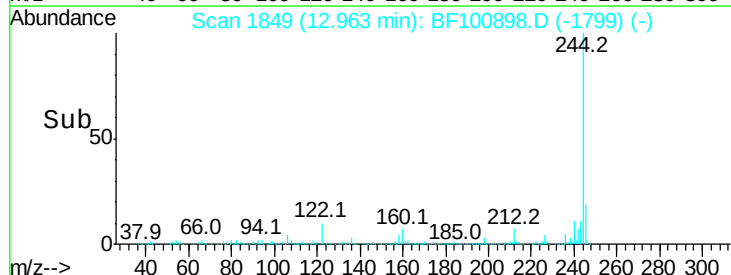
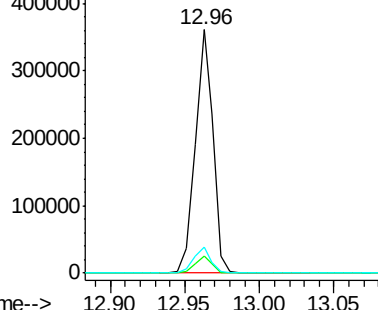
122 10.4 11.0 16.4#

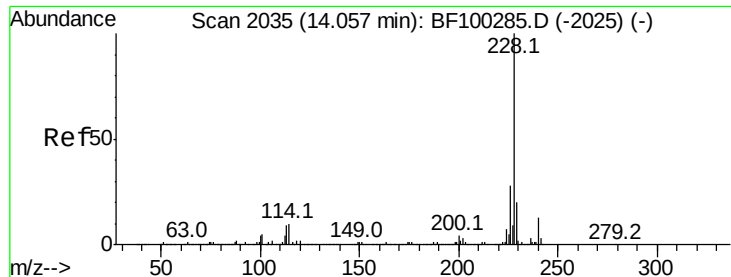


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

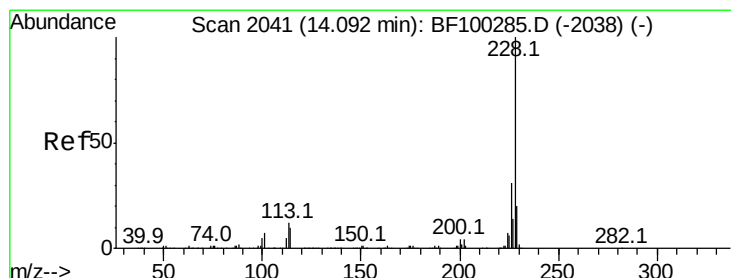
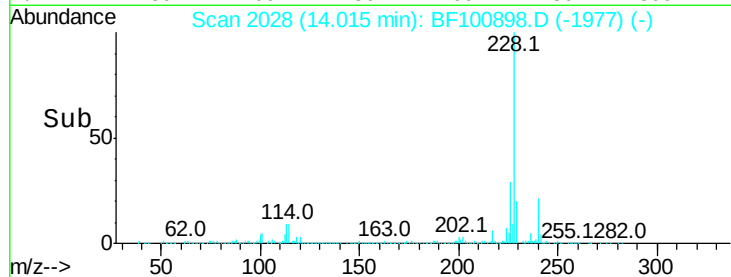
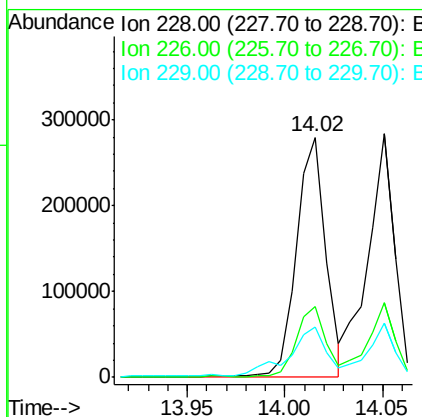
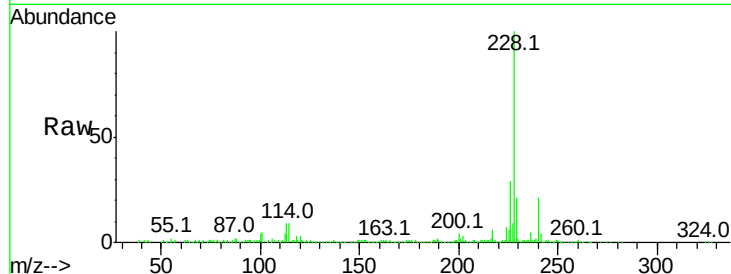




#80
Benzo(a)anthracene
Concen: 30.379 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

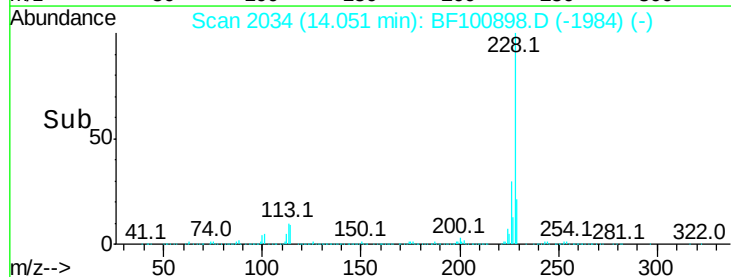
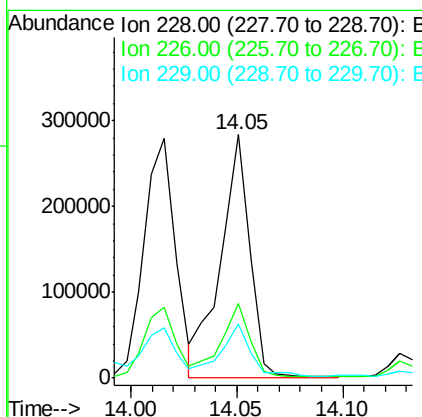
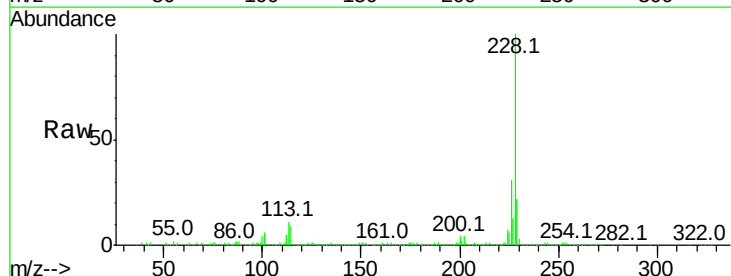
Instrument :
BNA_F
ClientSampleId :

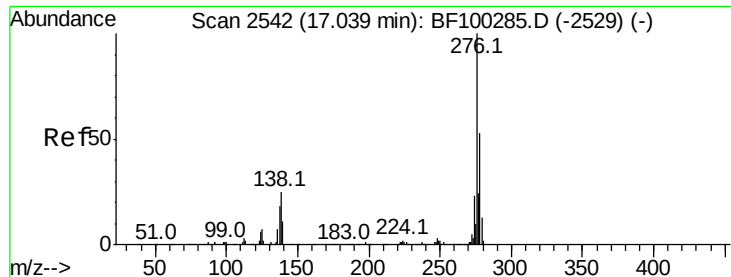
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.1	15.8	23.6



#82
Chrysene
Concen: 29.370 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.3	16.2	24.4

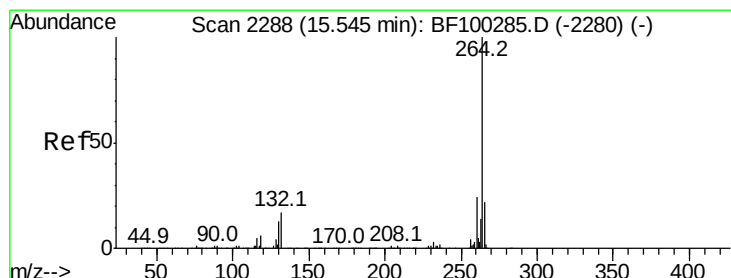
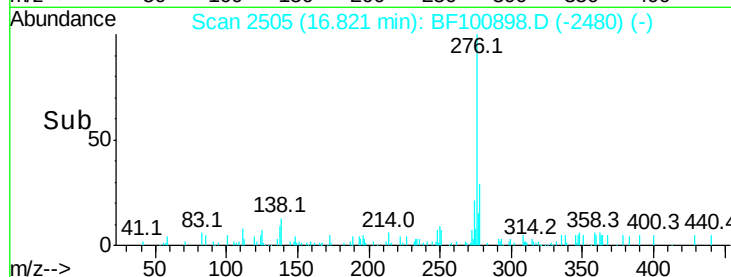
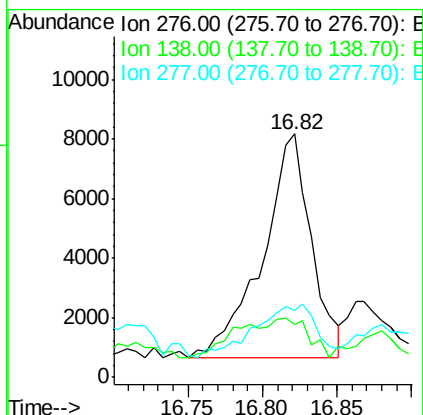
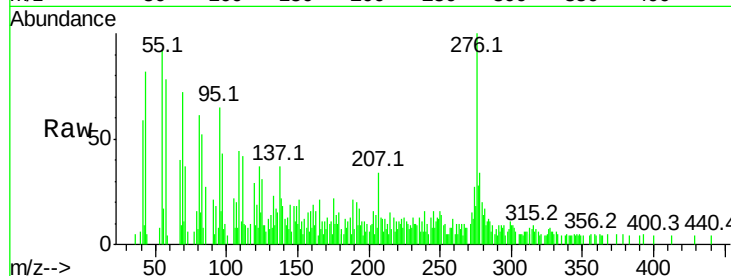




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.299 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.15 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

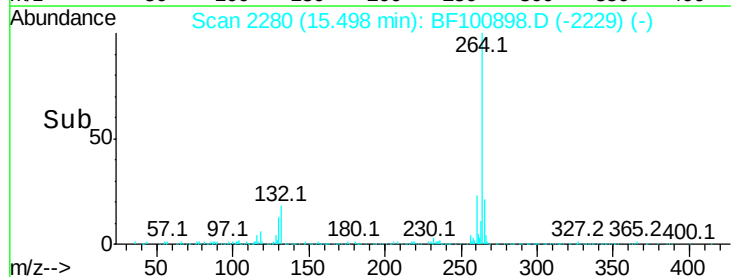
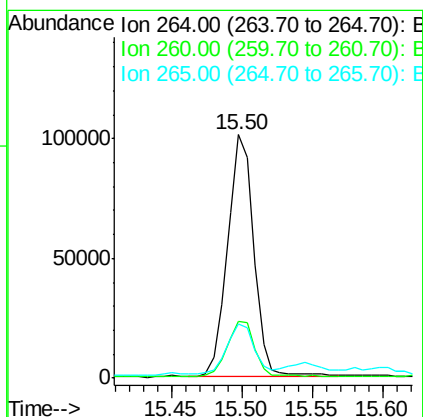
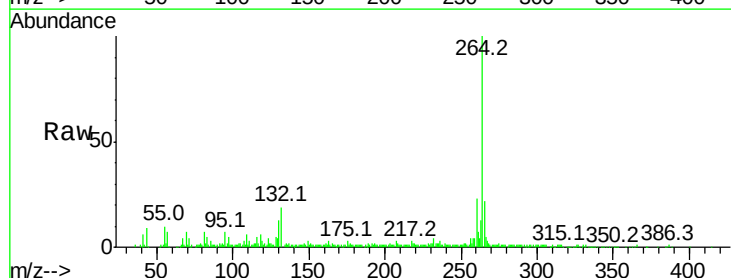
Instrument :
BNA_F
ClientSampleId :

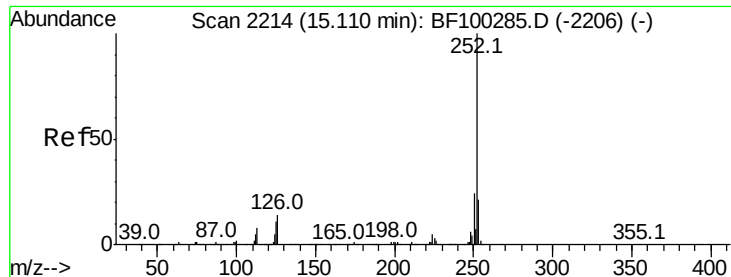
Tot Ion:276 Resp: 17093
Ion Ratio Lower Upper
276 100
138 25.5 25.0 37.6
277 29.9 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion:264 Resp: 130704
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.5 17.5 26.3

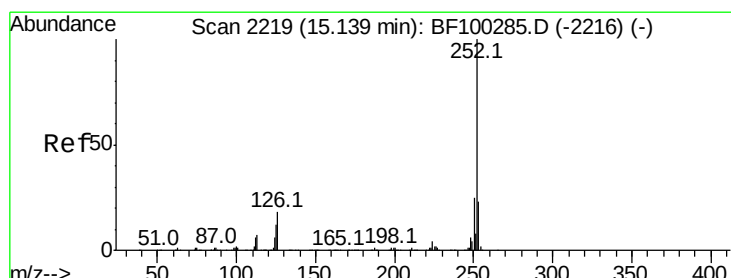
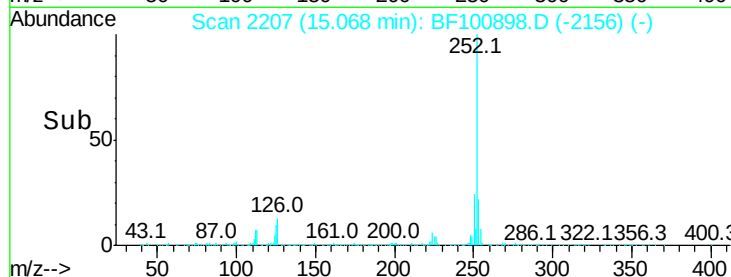
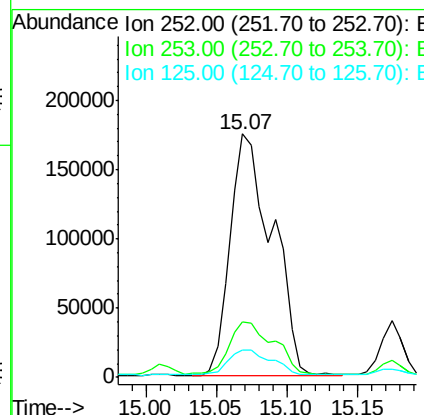
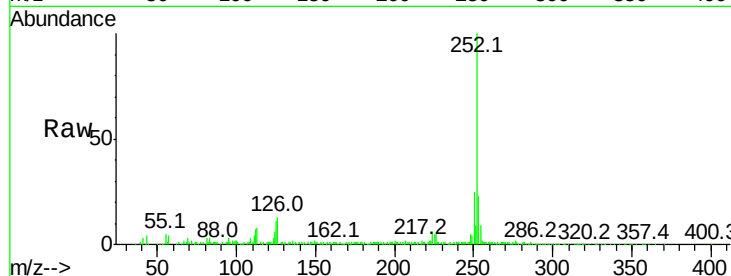




#87
Benzo(b)fluoranthene
Concen: 47.210 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

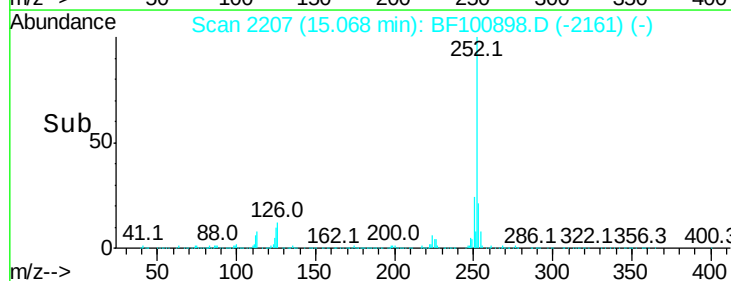
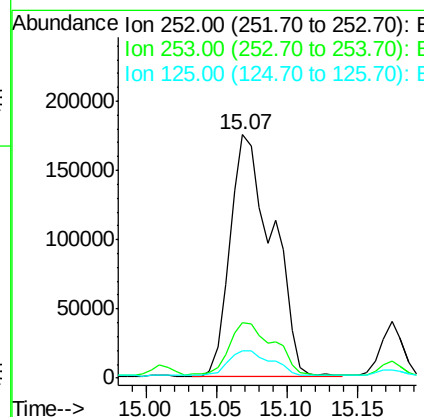
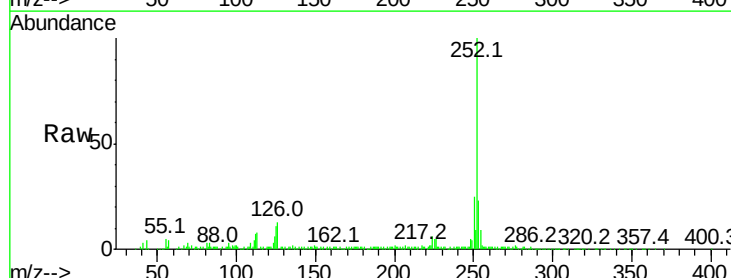
Instrument :
BNA_F
ClientSampleId :

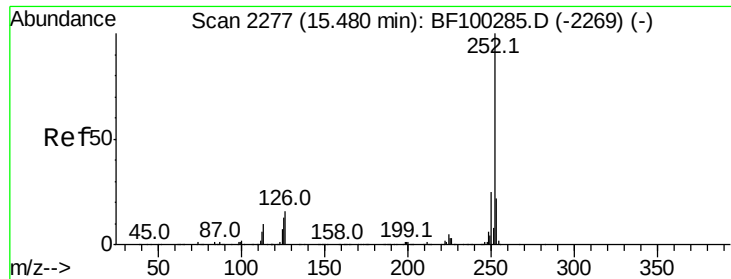
Tot Ion:252 Resp: 365572
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 11.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 49.965 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion:252 Resp: 365572
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 11.2 10.2 15.2





#89

Benzo(a)pyrene

Concen: 28.280 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

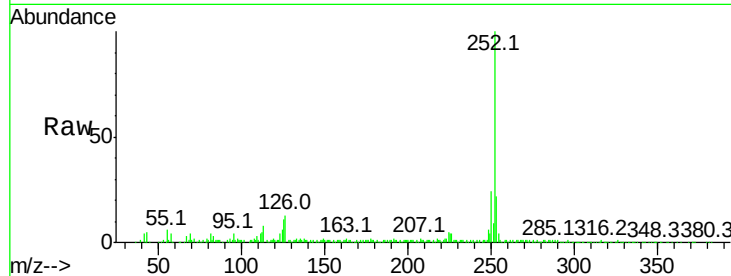
Tot Ion:252 Resp: 194137

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

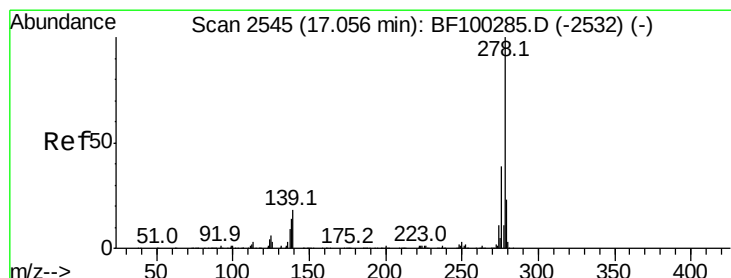
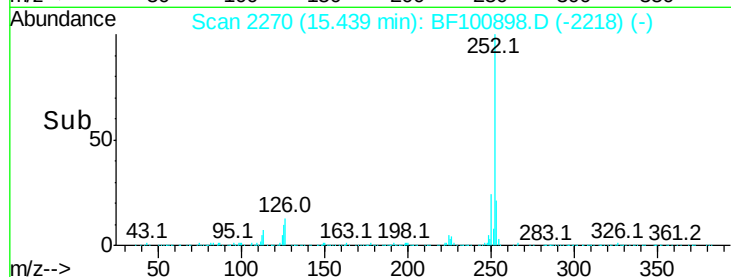
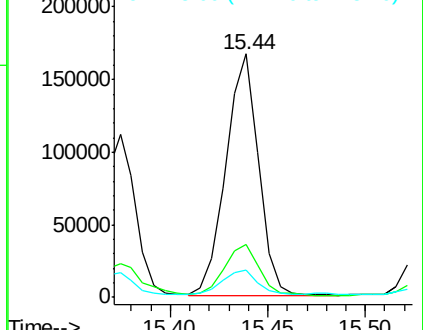
125 11.2 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 4.224 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

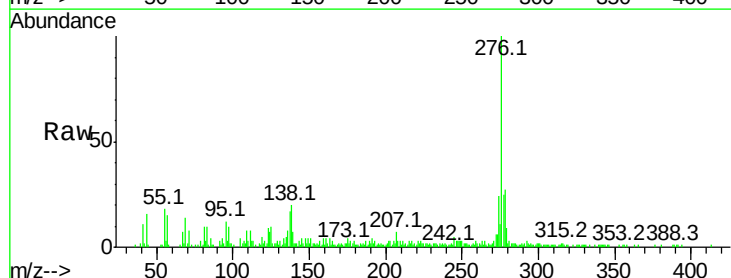
Tgt Ion:278 Resp: 23716

Ion Ratio Lower Upper

278 100

139 25.9 15.9 23.9#

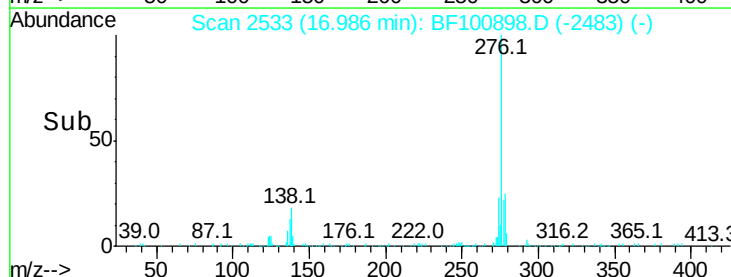
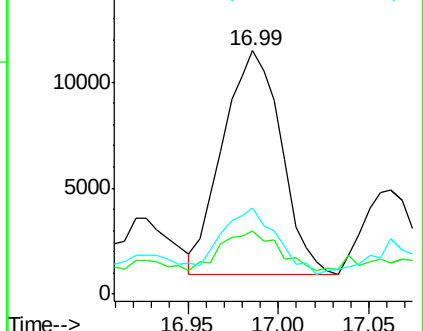
279 35.4 19.0 28.4#

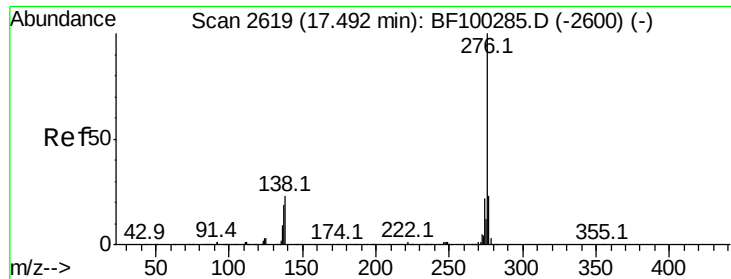


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 15.458 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

ClientSampleId :

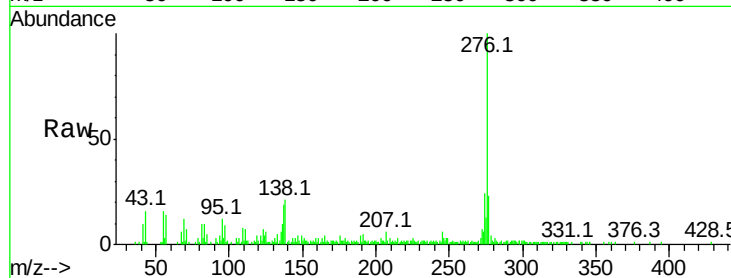
Tot Ion:276 Resp: 84950

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 21.2 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

