

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100803.D
 Acq On : 22 Nov 2017 2:26
 Operator : SJ/JU
 Sample : I6466-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:28:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

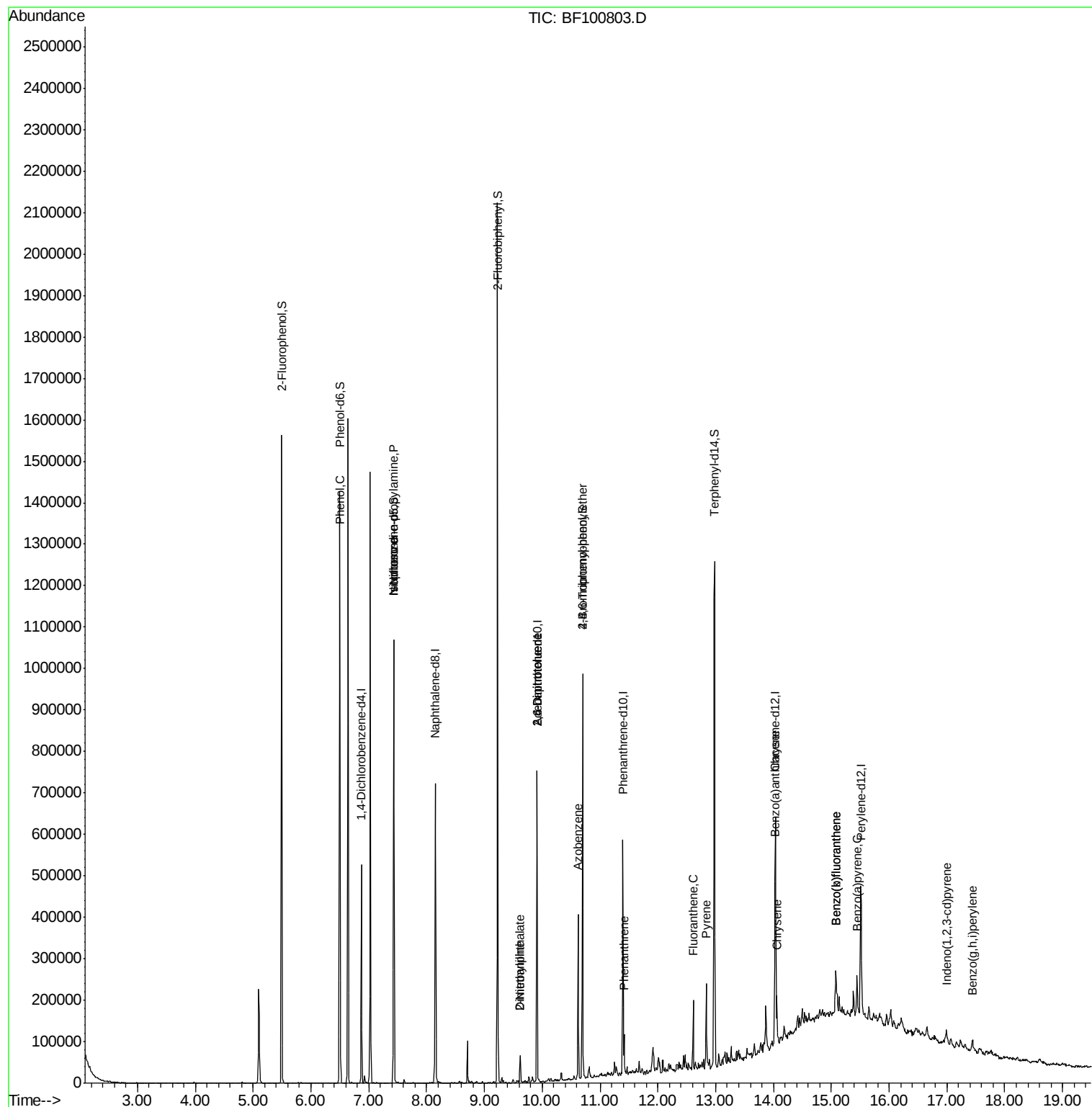
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	85475	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	327044	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	140753	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	223570	20.00	ng	0.00
75) Chrysene-d12	14.03	240	168054	20.00	ng	-0.01
86) Perylene-d12	15.51	264	146350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	441965	82.89	ng	0.00
7) Phenol-d6	6.50	99	542108	82.45	ng	-0.01
23) Nitrobenzene-d5	7.43	82	337331	68.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	114451	79.80	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	662002	71.62	ng	-0.01
78) Terphenyl-d14	12.98	244	408036	55.79	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	29712	4.30	ng	97
19) n-Nitroso-di-n-propylamine	7.43	70	43146	9.46	ng	# 80
25) Isophorone	7.43	82	337327	32.45	ng	# 64
47) 2-Nitroaniline	9.62	65	108	2.82	ng	# 1
49) Dimethylphthalate	9.62	163	27399	2.55	ng	# 99
50) 2,6-Dinitrotoluene	9.91	165	17985	8.45	ng	# 25
56) 2,4-Dinitrotoluene	9.91	165	17985	6.70	ng	# 23
62) Azobenzene	10.62	77	64426	6.36	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	6846	2.86	ng	# 1
70) Phenanthrene	11.42	178	32748	2.78	ng	98
74) Fluoranthene	12.61	202	67163	5.38	ng	95
77) Pyrene	12.84	202	77210	6.45	ng	97
80) Benzo(a)anthracene	14.02	228	48937	4.84	ng	95
82) Chrysene	14.06	228	46829	4.78	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	21153	2.67	ng	# 93
87) Benzo(b)fluoranthene	15.07	252	73350	8.46	ng	98
88) Benzo(k)fluoranthene	15.07	252	73350	8.95	ng	99
89) Benzo(a)pyrene	15.44	252	40228	5.23	ng	98
91) Benzo(a,h,i)perylene	17.44	276	22164	3.60	ng	97

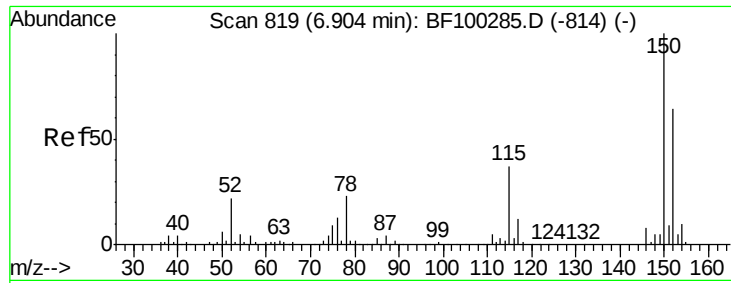
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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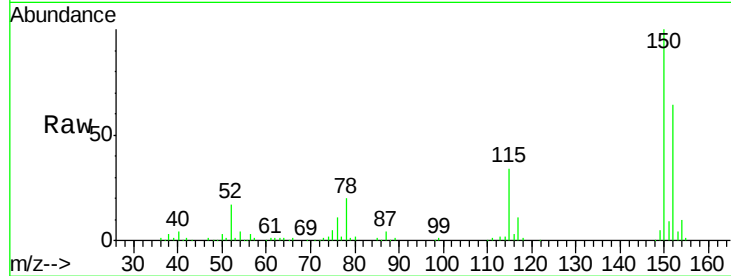


#1

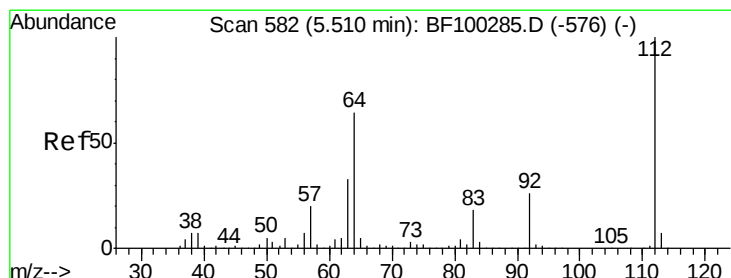
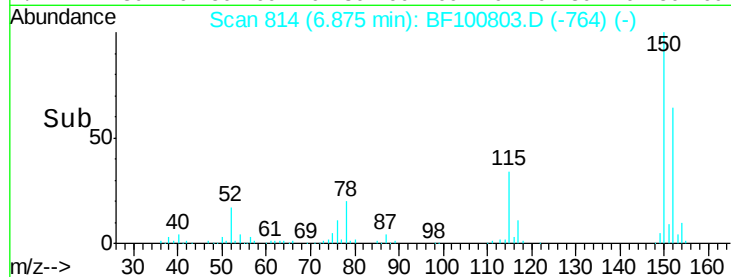
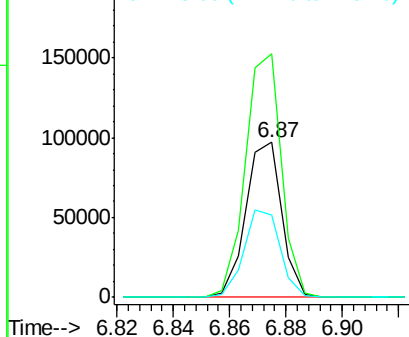
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	53.1	50.1	75.1



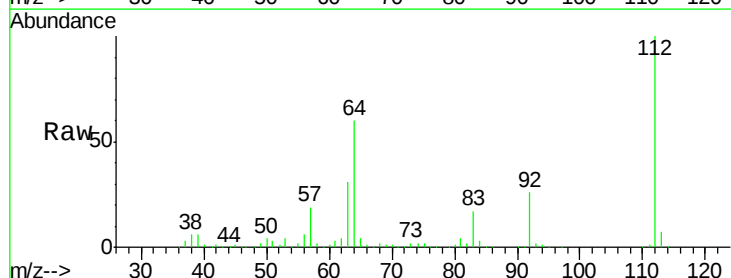
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



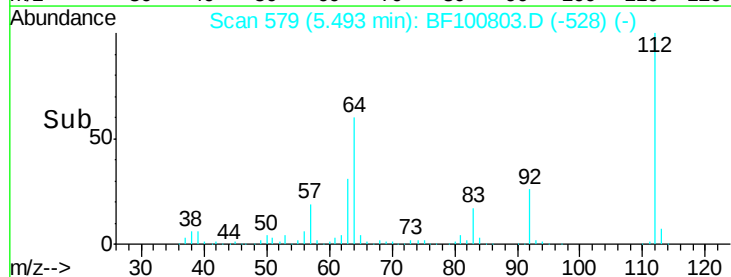
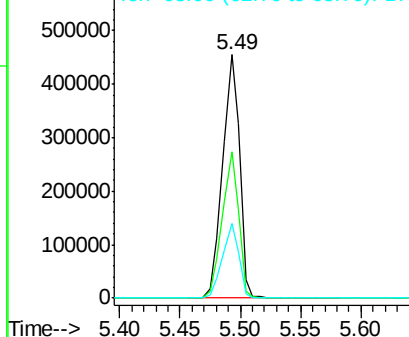
#5

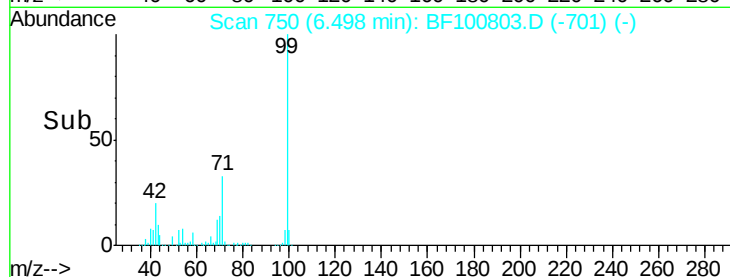
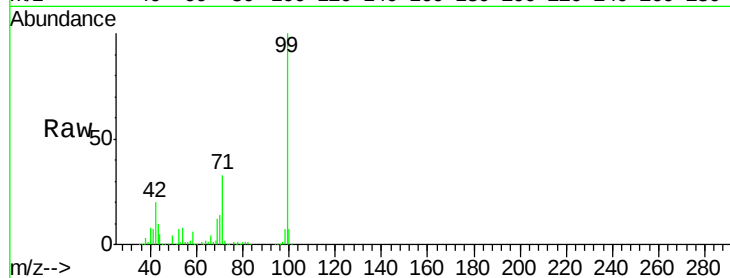
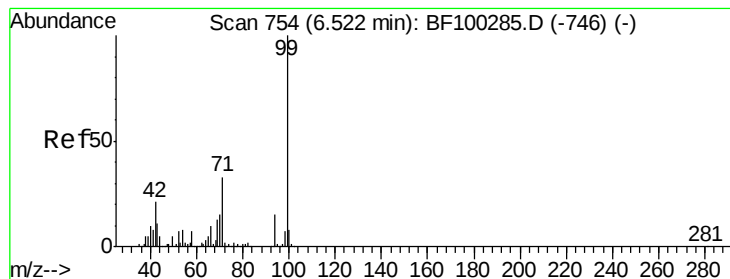
2-Fluorophenol
 Concen: 82.89 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	30.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.45 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

Instrument :

BNA_F

ClientSampleId :

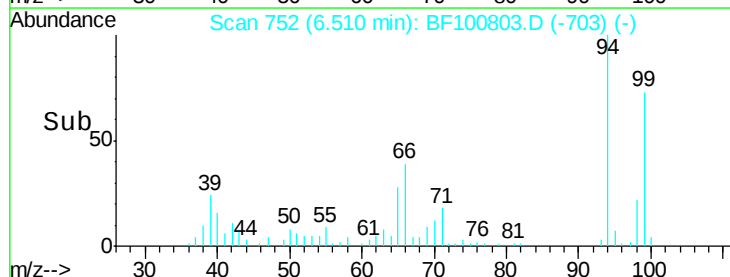
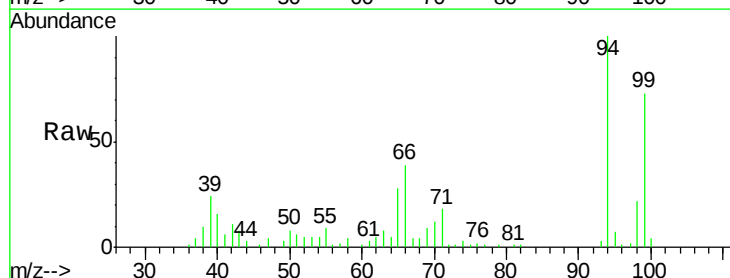
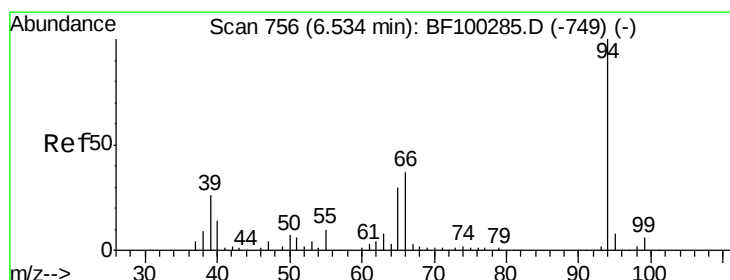
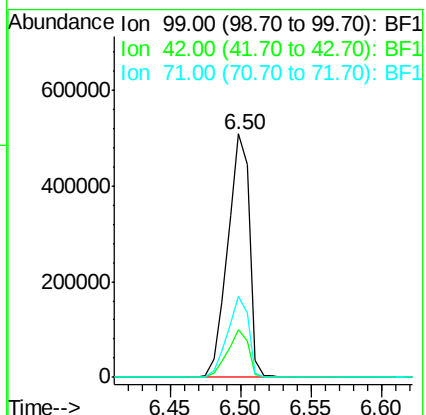
Tot Ion: 99 Resp: 542108

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 33.3 25.4 38.0



#10

Phenol

Concen: 4.30 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

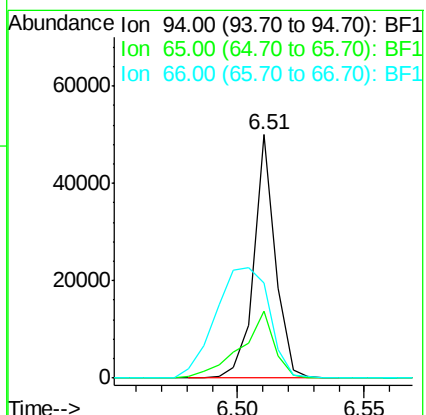
Tgt Ion: 94 Resp: 29712

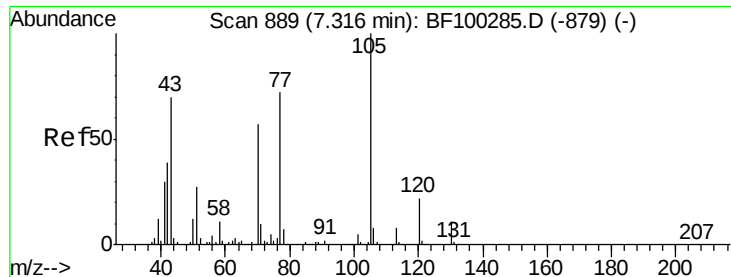
Ion Ratio Lower Upper

94 100

65 27.5 7.9 47.9

66 39.3 16.2 56.2

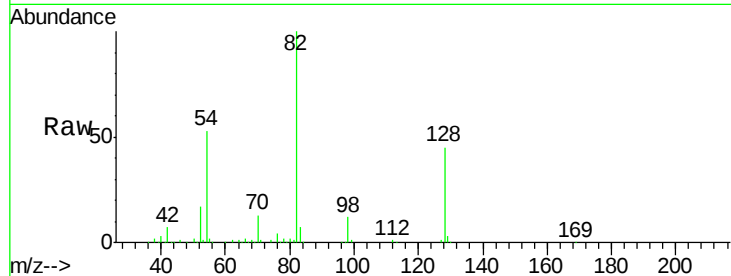




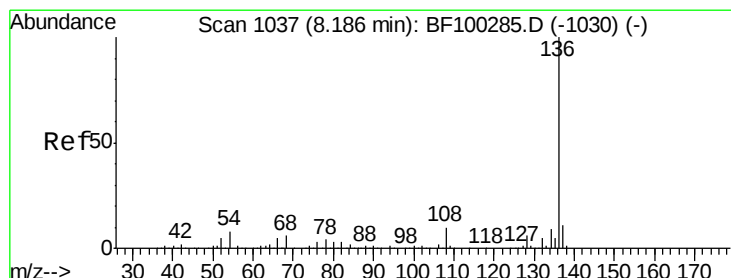
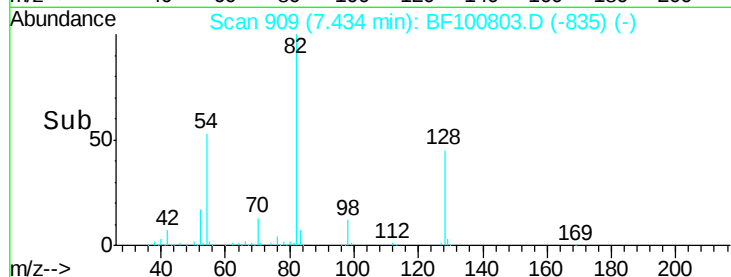
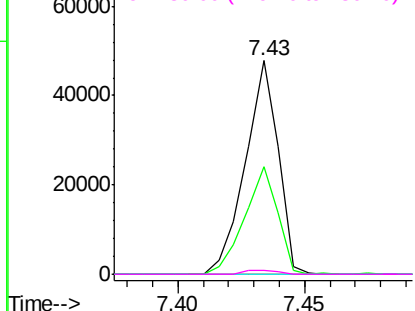
#19
n-Nitroso-di-n-propylamine
Concen: 9.46 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 43146
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

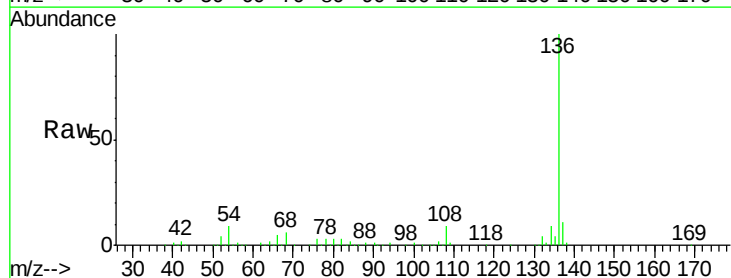


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

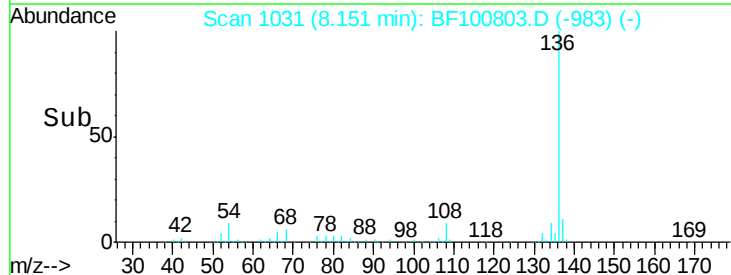
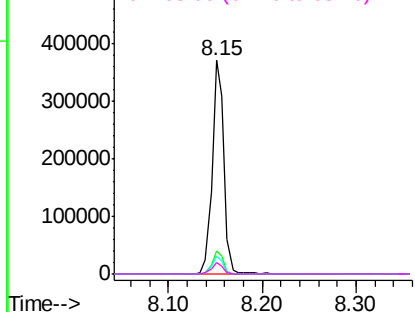


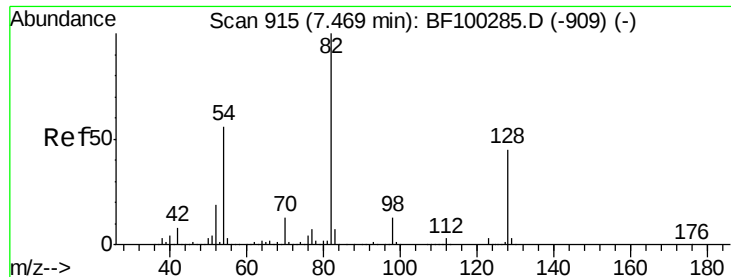
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion: 136 Resp: 327044
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.6 9.8
68 5.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1
Ion 137.00 (136.70 to 137.70): BF1
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

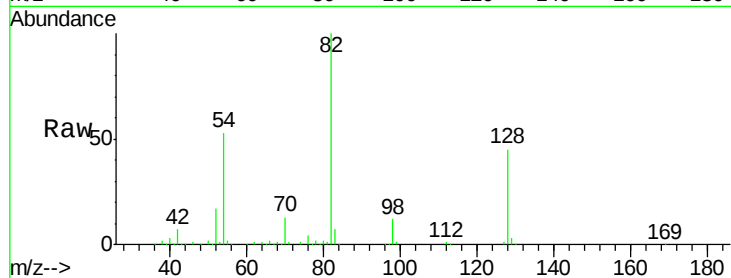




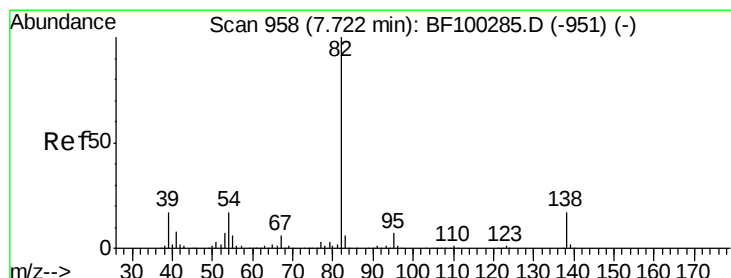
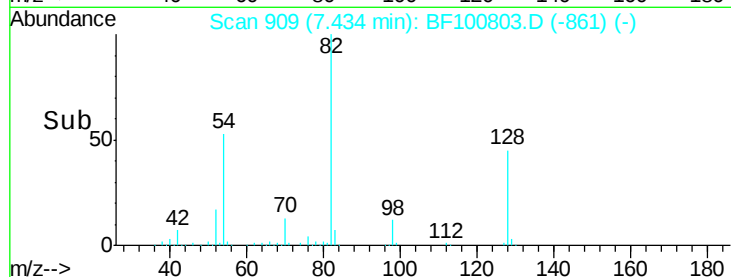
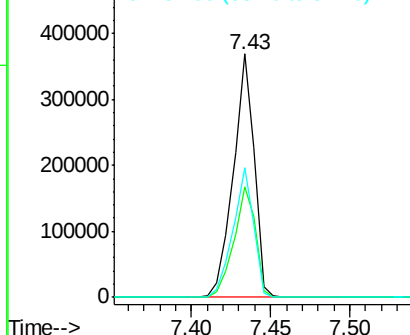
#23
Nitrobenzene-d5
Concen: 68.19 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	337331
Ion Ratio	100	Lower	Upper
128	45.3	36.1	54.1
54	53.1	41.4	62.2

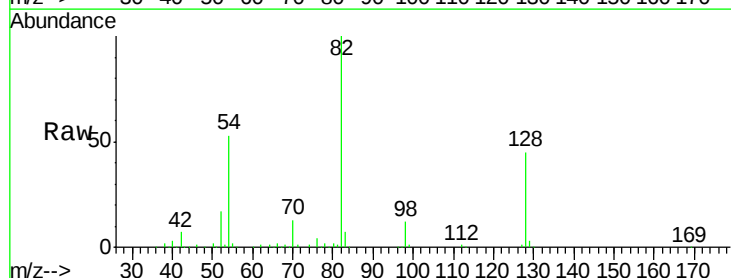


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

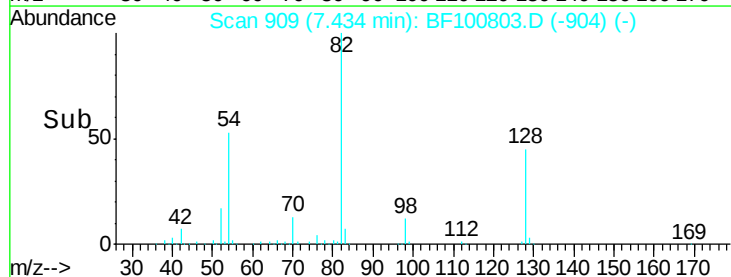
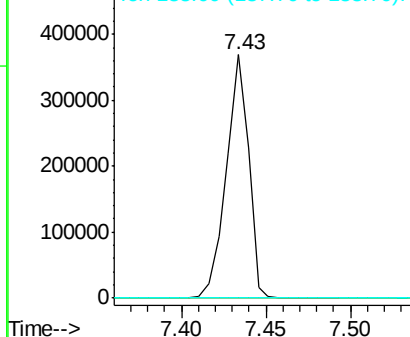


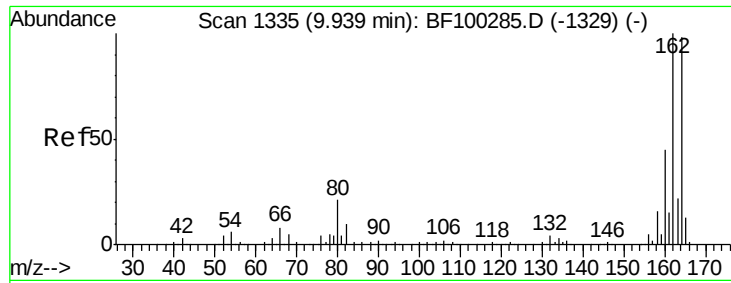
#25
Isophorone
Concen: 32.45 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion	82	Resp	337327
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

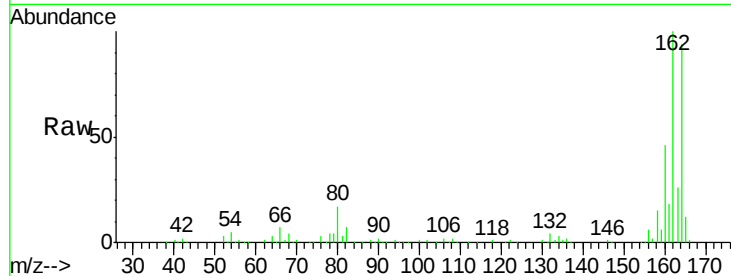




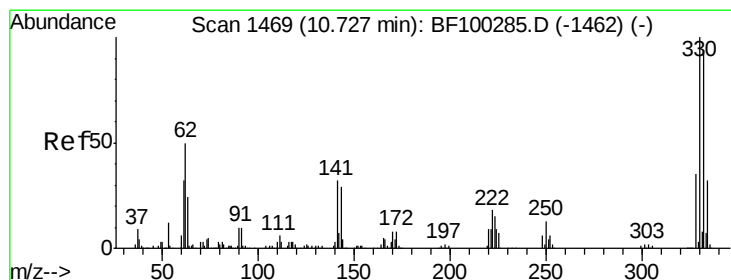
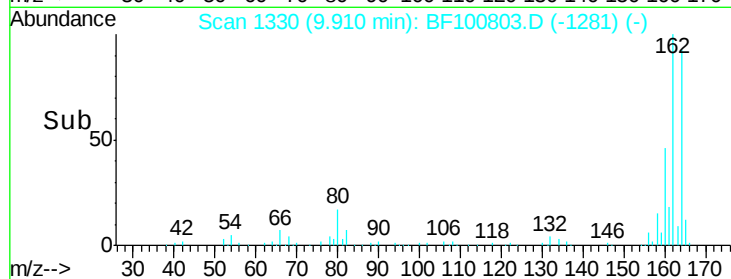
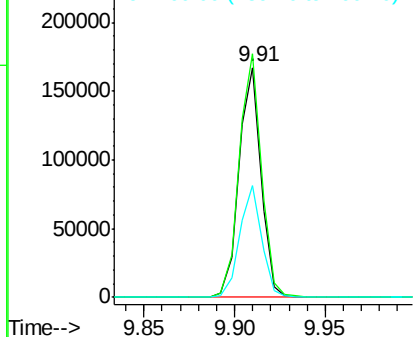
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 140753
 Ion Ratio Lower Upper
 164 100
 162 106.1 86.1 129.1
 160 48.7 38.3 57.5

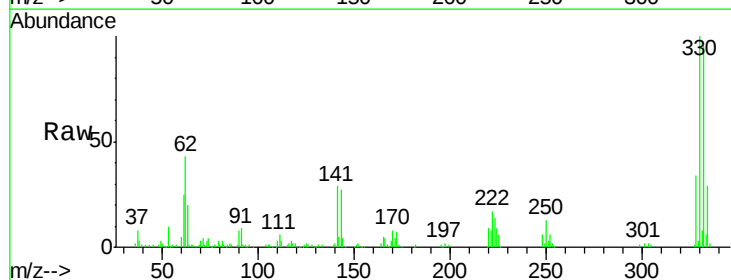


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

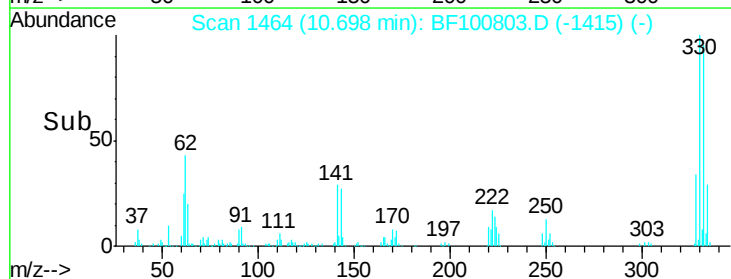
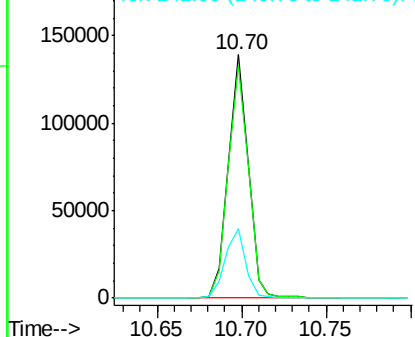


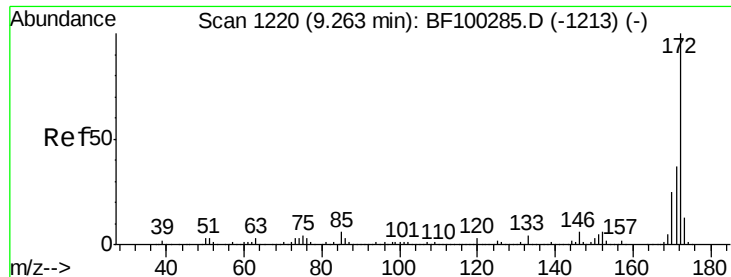
#41
 2,4,6-Tribromophenol
 Concen: 79.80 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Tgt Ion:330 Resp: 114451
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 29.7 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

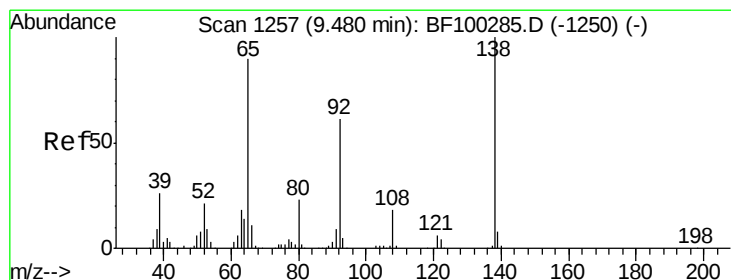
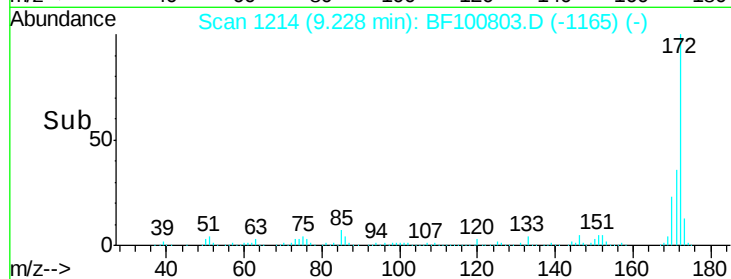
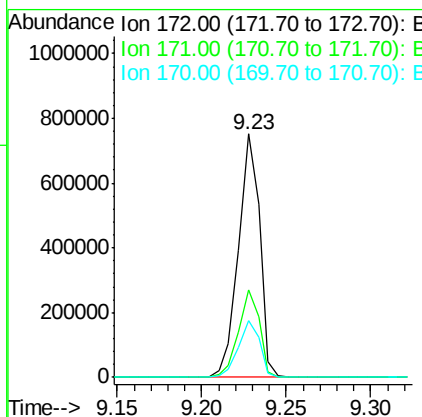
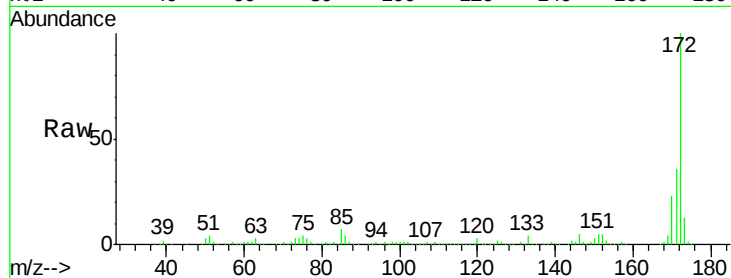




#44
 2-Fluorobiphenyl
 Concen: 71.62 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

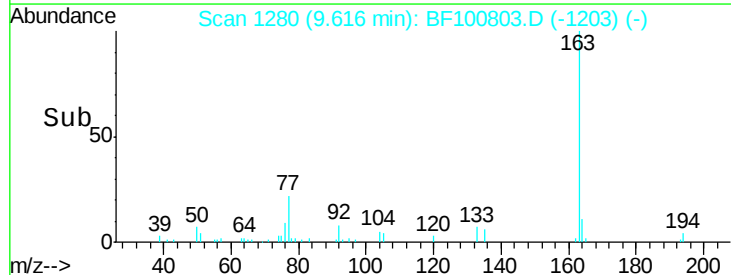
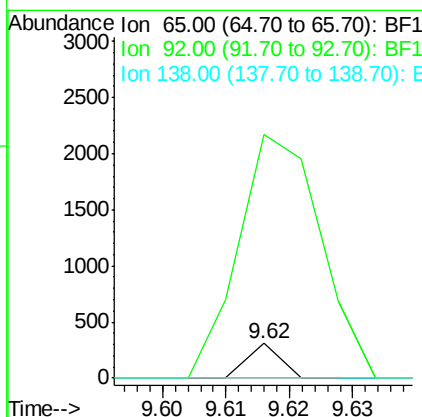
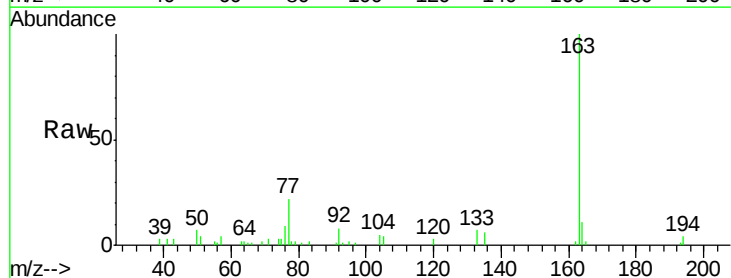
Instrument :
 BNA_F
 ClientSampleId :

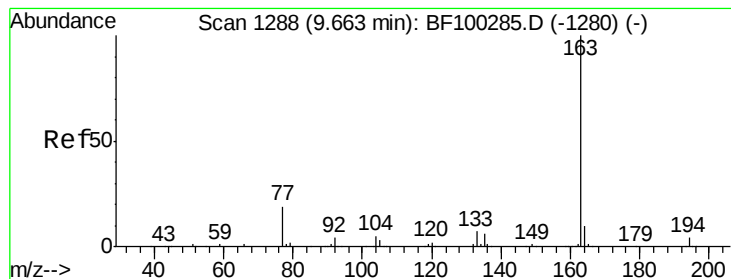
Tot Ion:172 Resp: 662002
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.82 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. 0.15 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Tgt Ion: 65 Resp: 108
 Ion Ratio Lower Upper
 65 100
 92 706.8 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 2.55 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

Instrument :

BNA_F

ClientSampleId :

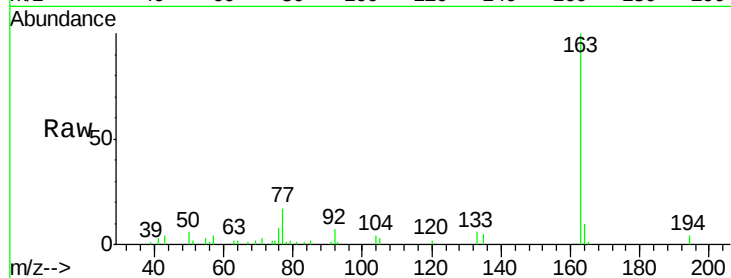
Tot Ion:163 Resp: 27399

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

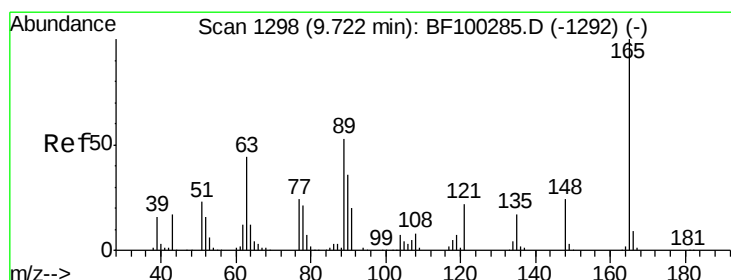
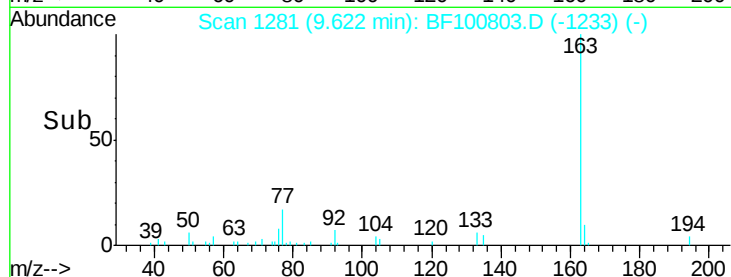
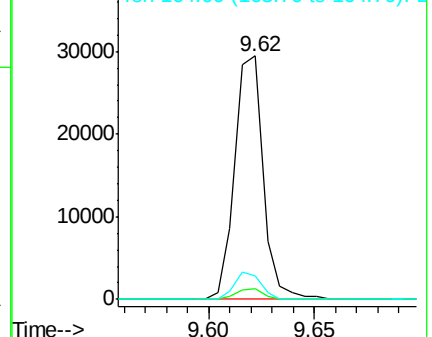
164 9.9 8.2 12.2



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: 8.45 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

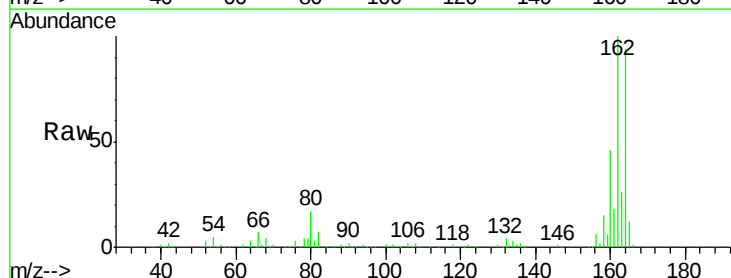
Tgt Ion:165 Resp: 17985

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

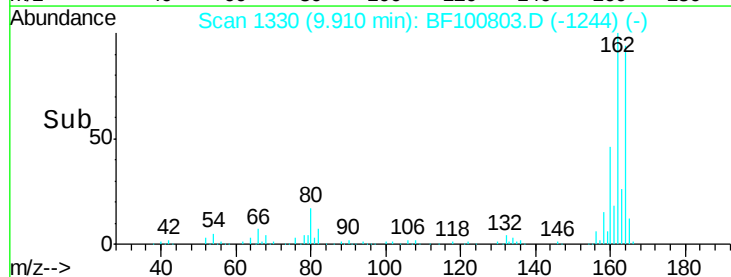
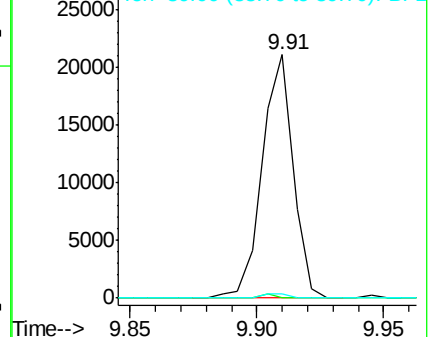
89 1.9 44.0 66.0#

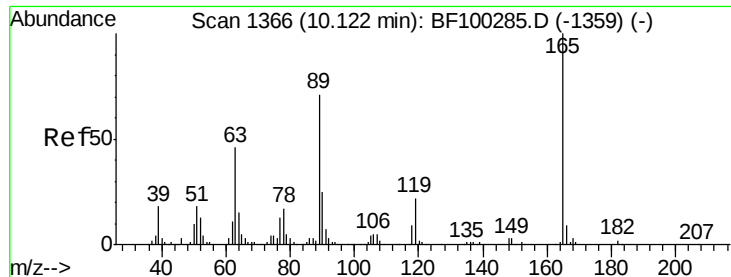


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

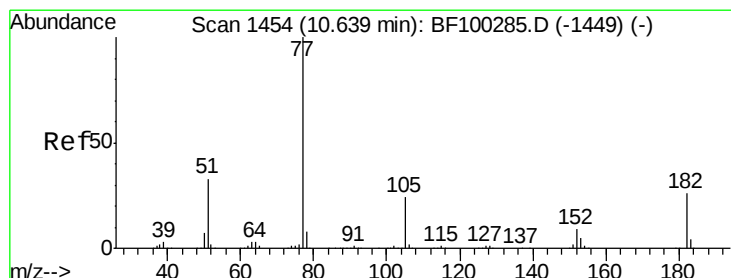
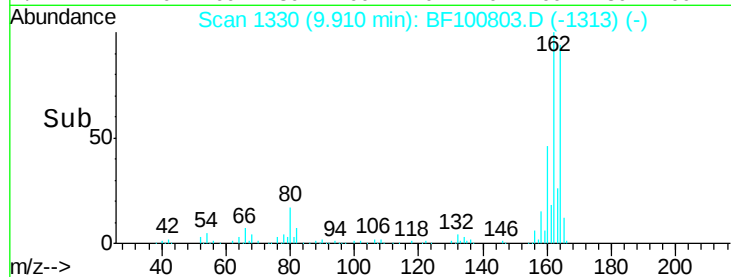
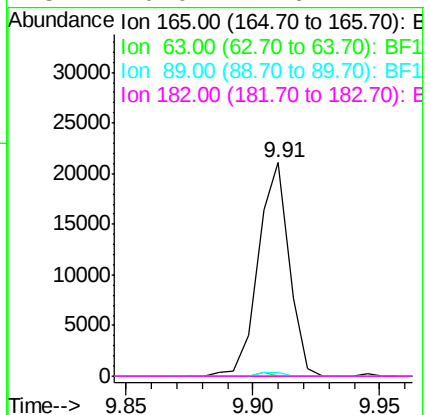
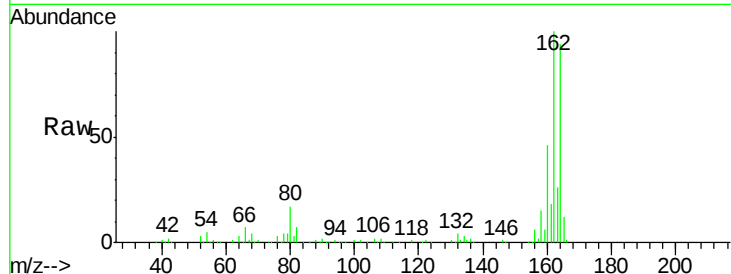




#56
2,4-Dinitrotoluene
Concen: 6.70 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

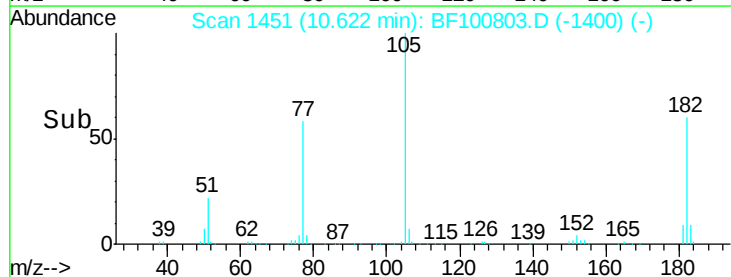
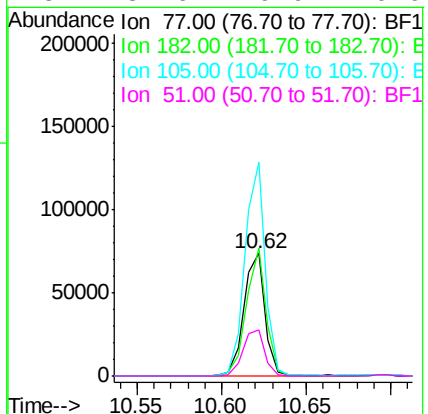
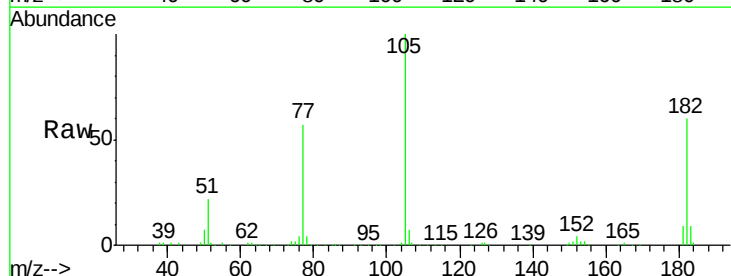
Instrument :
BNA_F
ClientSampleId :

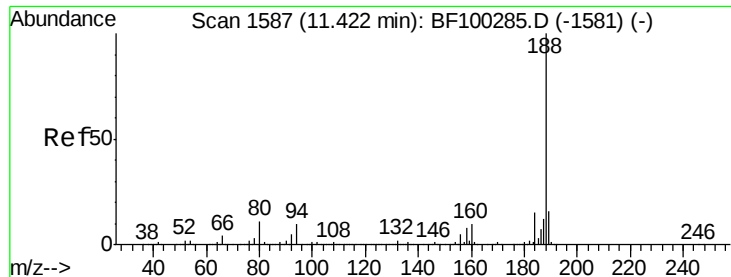
Tot Ion:	165	Resp:	17985
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#62
Azobenzene
Concen: 6.36 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion:	77	Resp:	64426
Ion Ratio	Lower	Upper	
77	100		
182	104.1	1.7	41.7#
105	174.0	3.0	43.0#
51	37.6	9.9	49.9

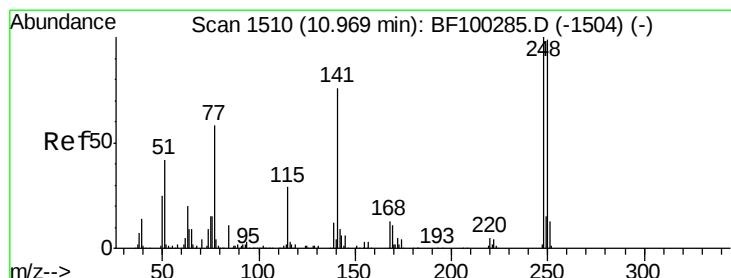
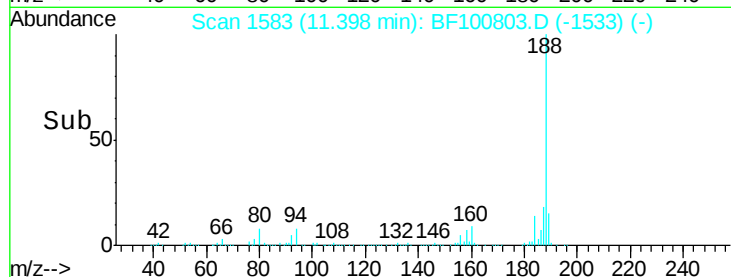
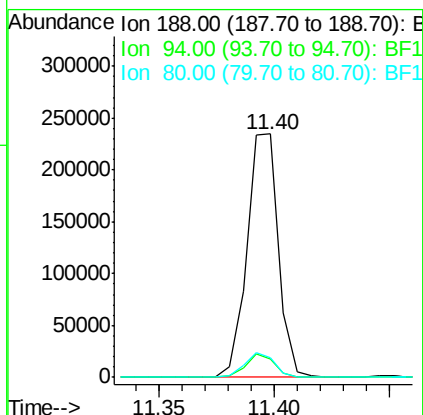
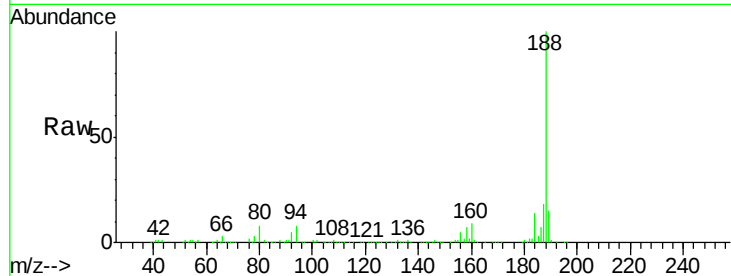




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

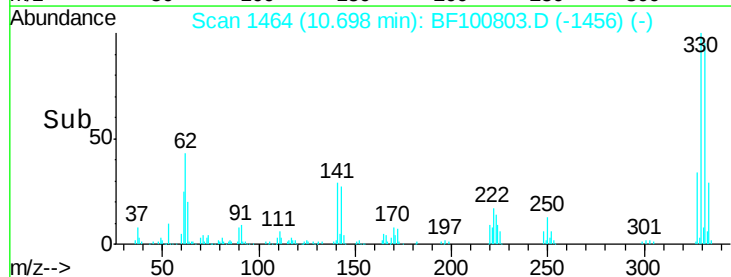
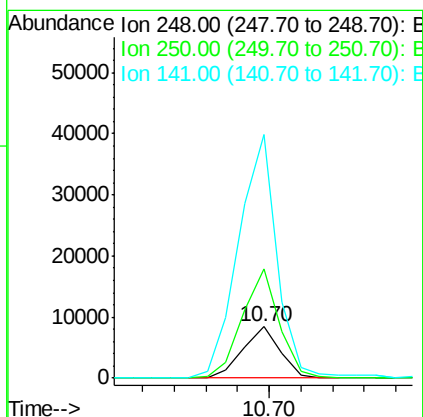
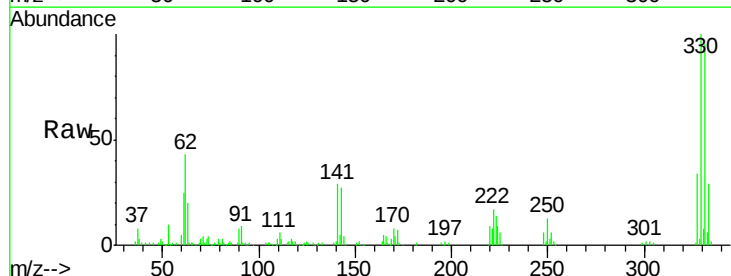
Instrument :
BNA_F
ClientSampleId :

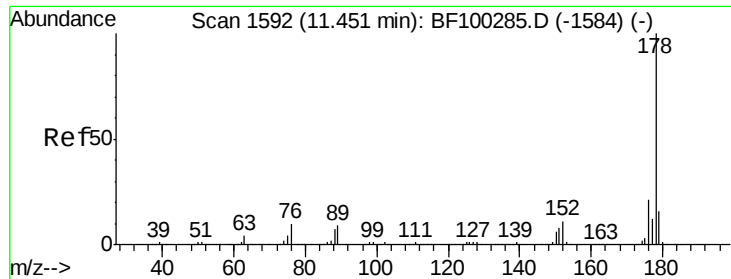
Tot Ion:188 Resp: 223570
Ion Ratio Lower Upper
188 100
94 7.6 8.5 12.7#
80 8.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.86 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion:248 Resp: 6846
Ion Ratio Lower Upper
248 100
250 212.5 76.9 115.3#
141 472.6 74.4 111.6#





#70

Phenanthrene

Concen: 2.78 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.02 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

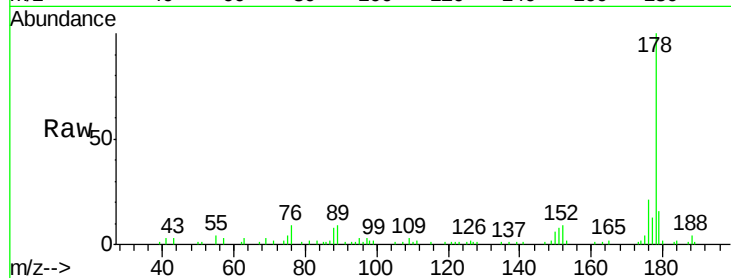
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 32748

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	15.6	13.0	19.6

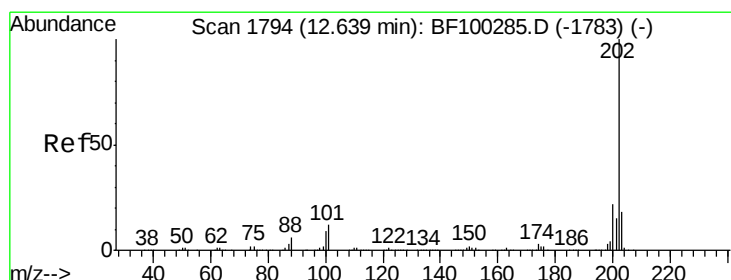
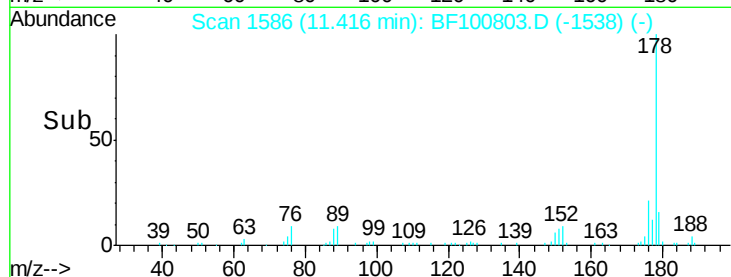
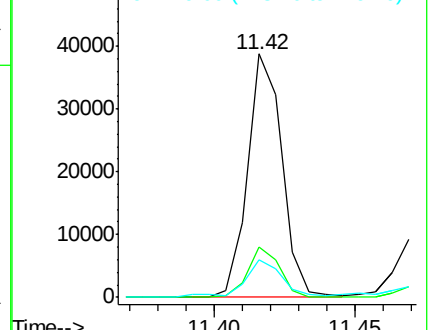


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.38 ng

RT: 12.61 min Scan# 1789

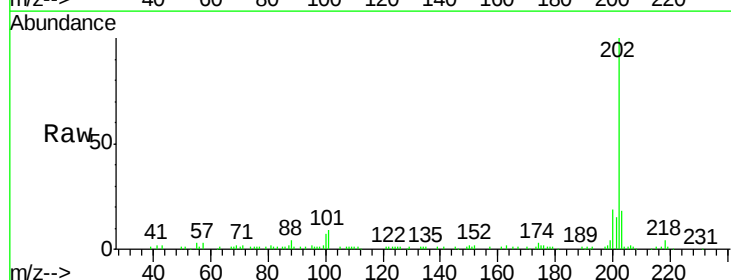
Delta R.T. -0.01 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

Tgt Ion:202 Resp: 67163

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	17.9	0.0	38.1

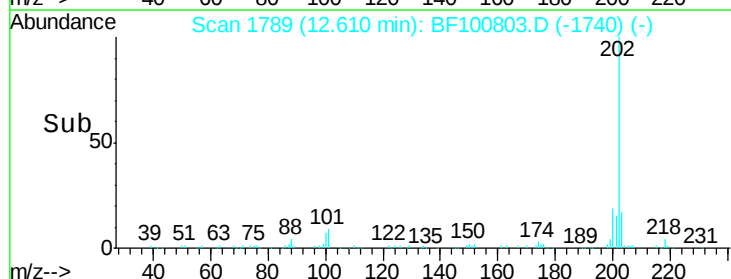
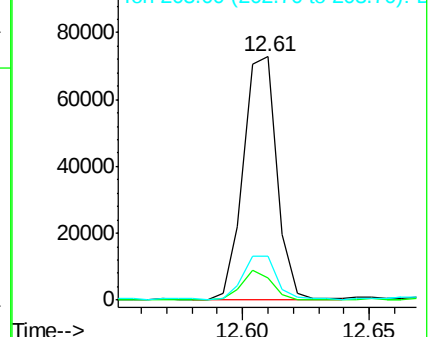


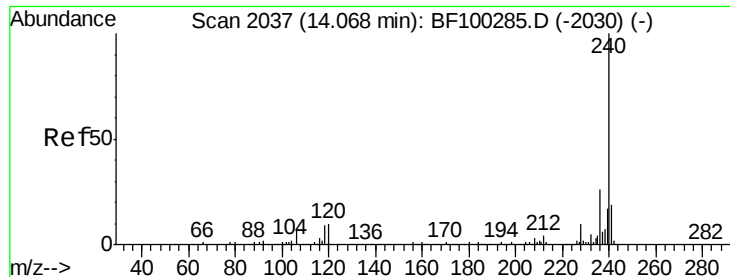
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

Instrument :

BNA_F

ClientSampleId :

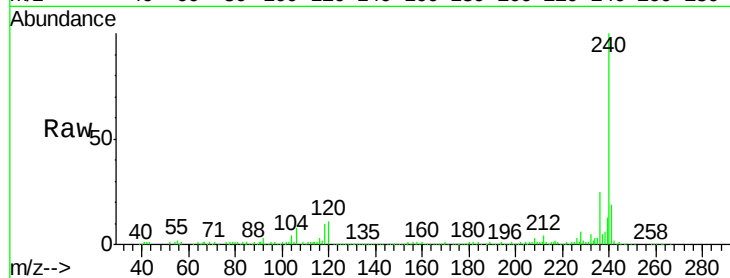
Tot Ion:240 Resp: 168054

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

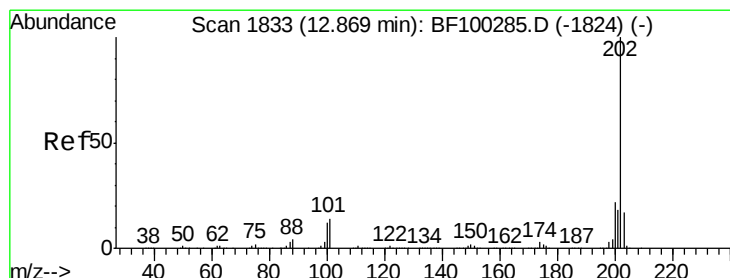
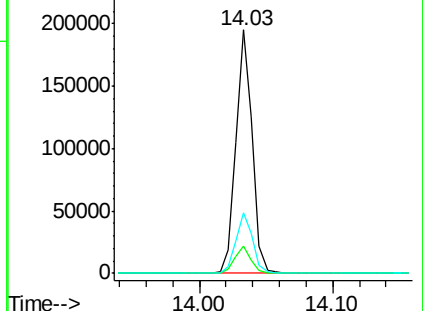
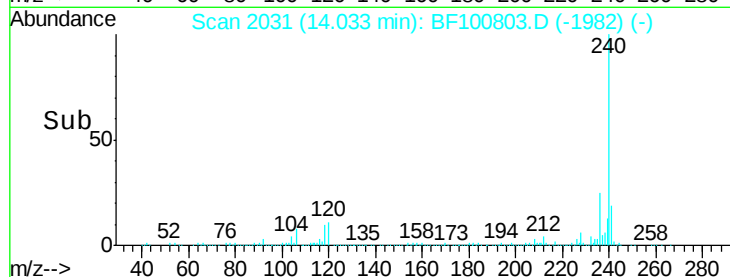
236 24.9 20.7 31.1



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: 6.45 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

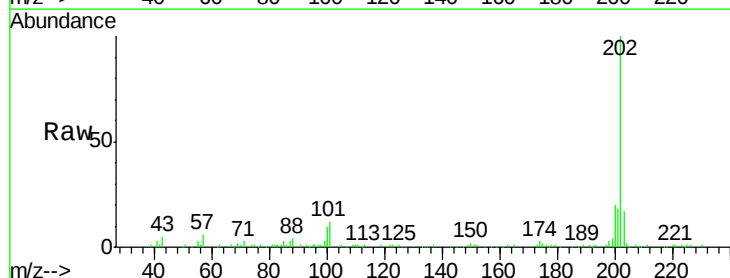
Tgt Ion:202 Resp: 77210

Ion Ratio Lower Upper

202 100

200 19.6 17.4 26.2

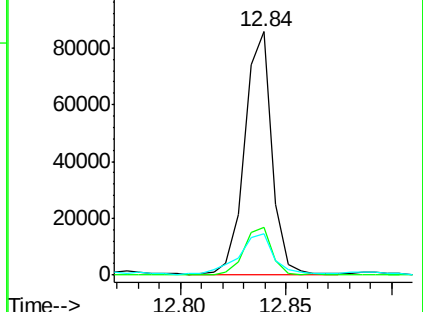
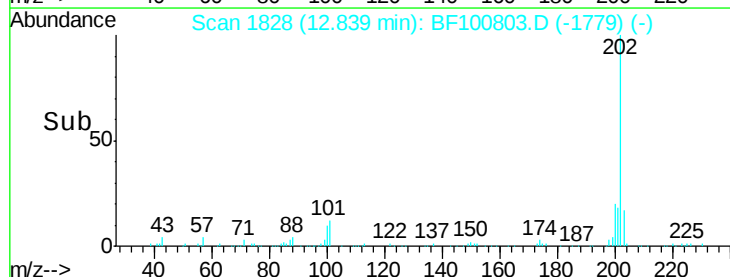
203 17.2 14.3 21.5

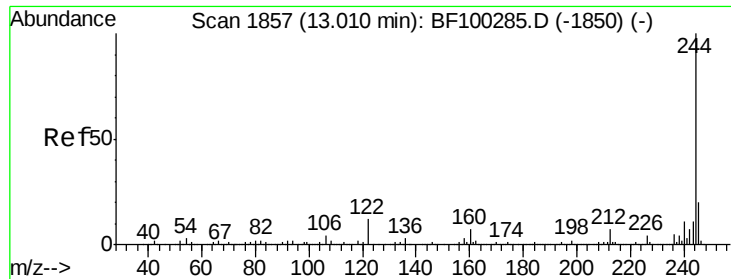


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

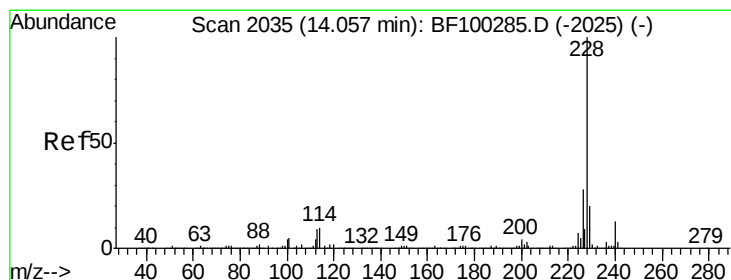
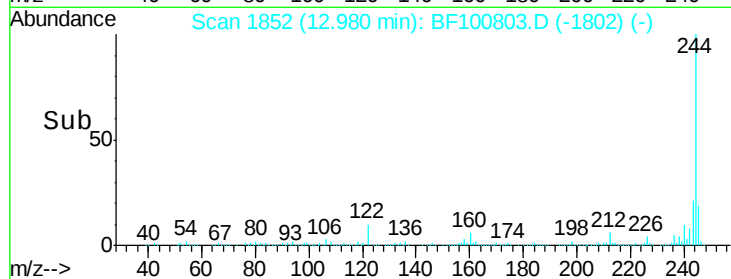
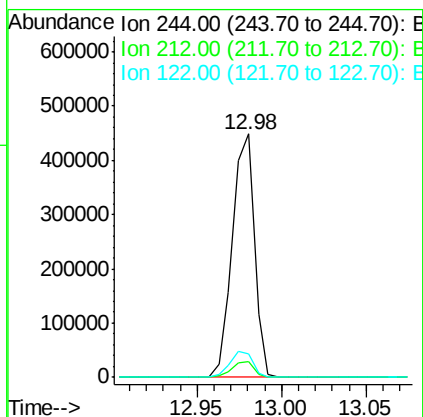
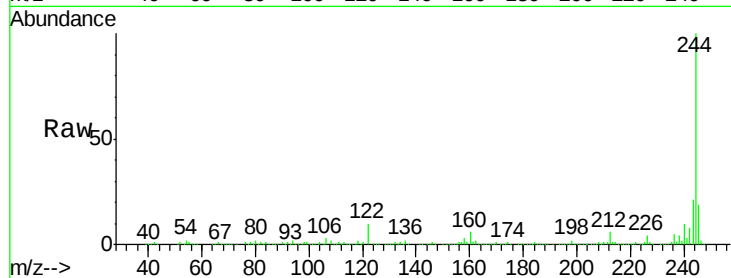




#78
 Terphenyl-d14
 Concen: 55.79 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

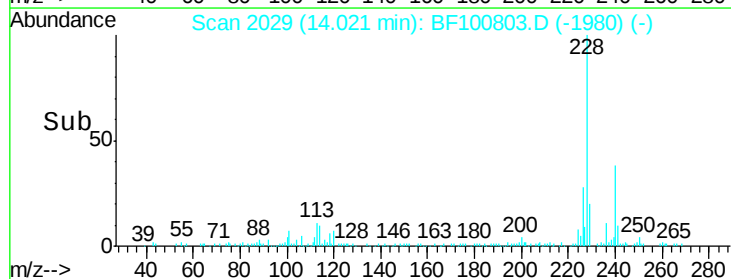
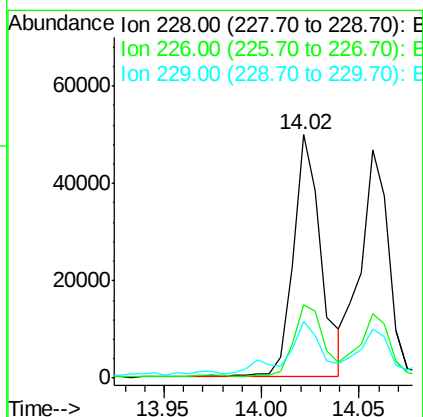
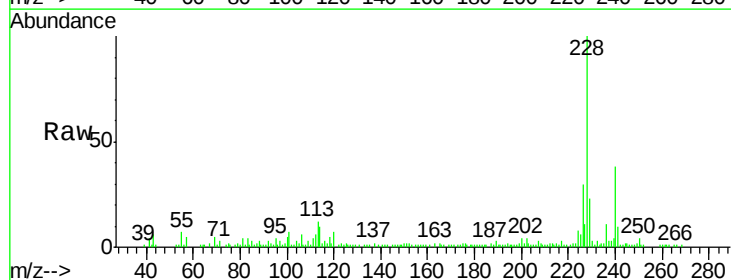
Instrument :
 BNA_F
 ClientSampled :

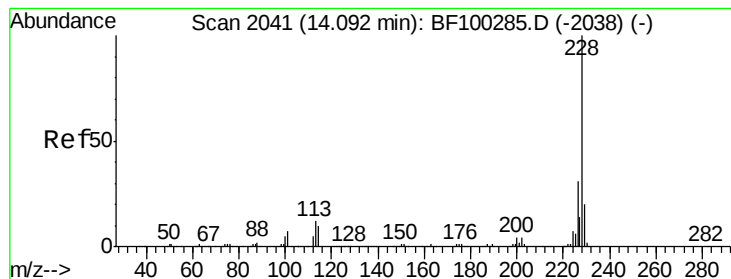
Tot Ion:244 Resp: 408036
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.84 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Tgt Ion:228 Resp: 48937
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 23.3 15.8 23.6





#82

Chrysene

Concen: 4.78 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

Instrument :

BNA_F

ClientSampleId :

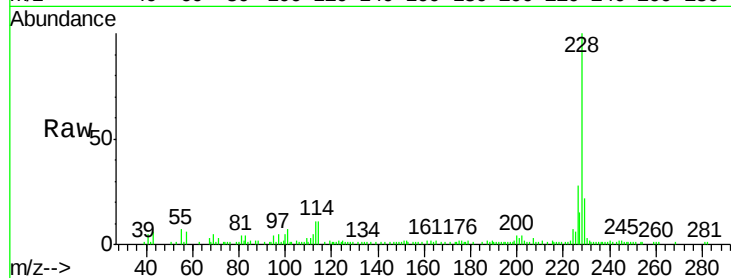
Tot Ion:228 Resp: 46829

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

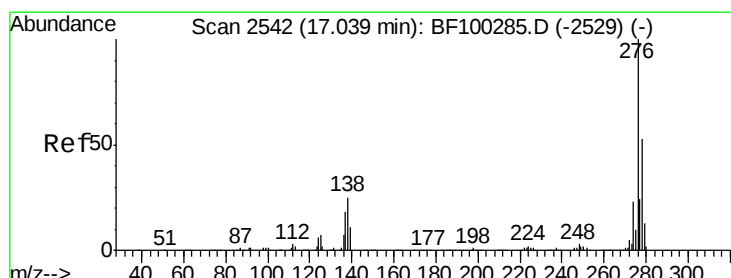
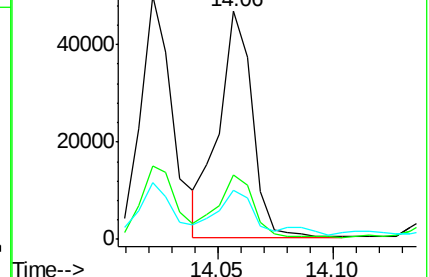
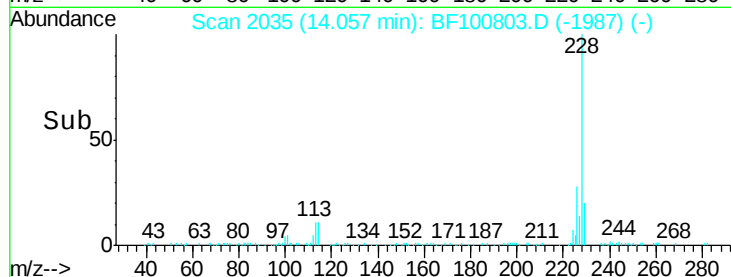
229 21.7 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.67 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF100803.D

Acq: 22 Nov 2017 2:26

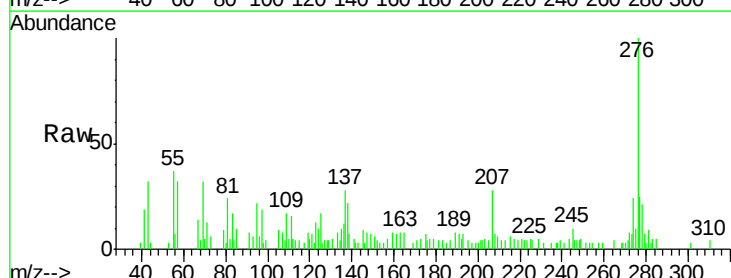
Tgt Ion:276 Resp: 21153

Ion Ratio Lower Upper

276 100

138 29.4 25.0 37.6

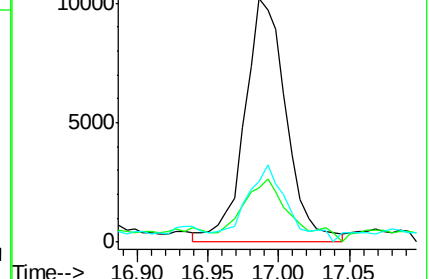
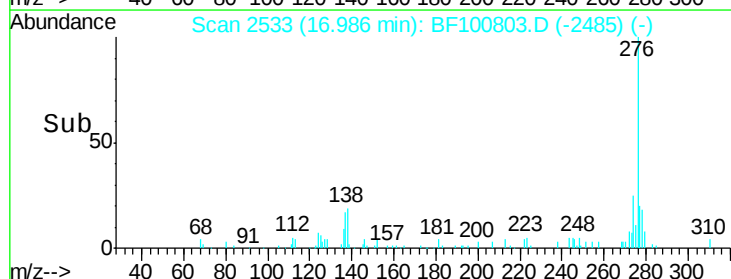
277 31.4 20.1 30.1#

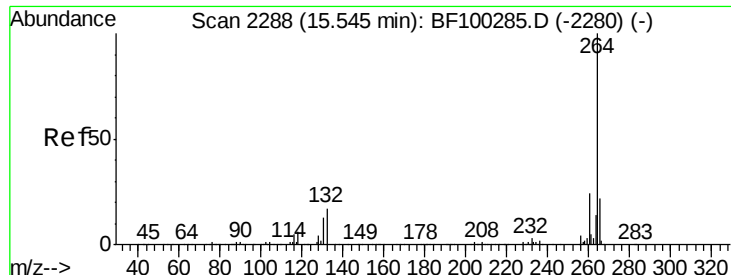


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

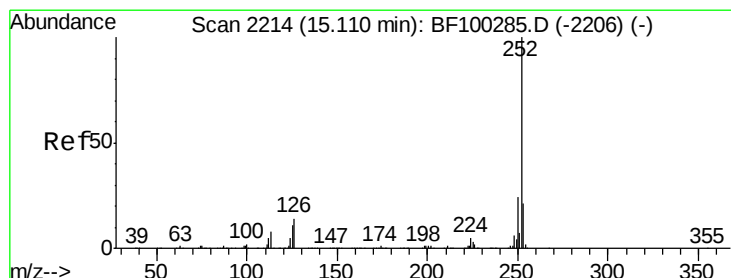
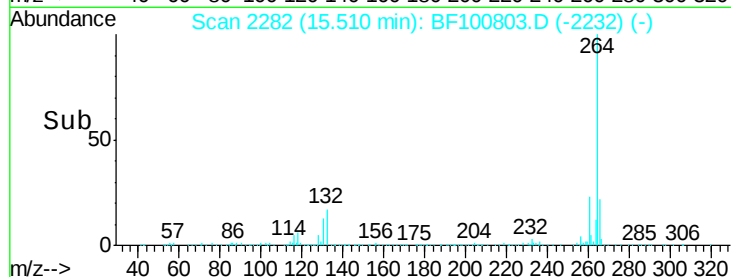
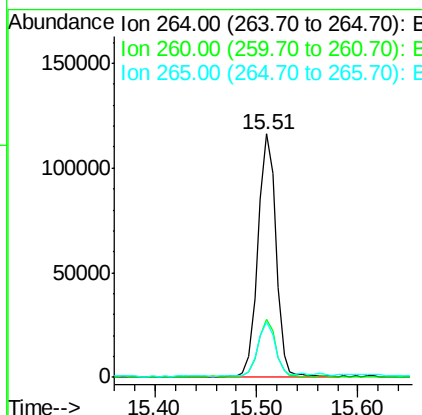
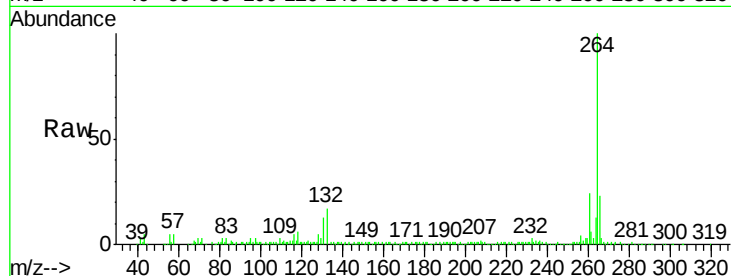




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

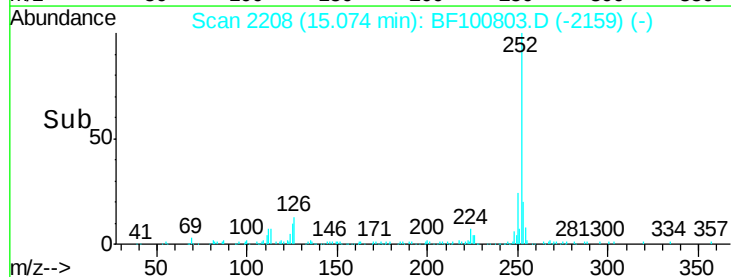
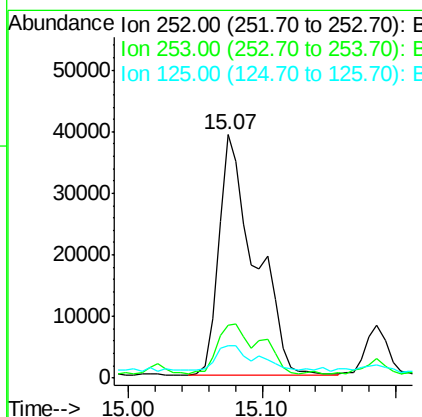
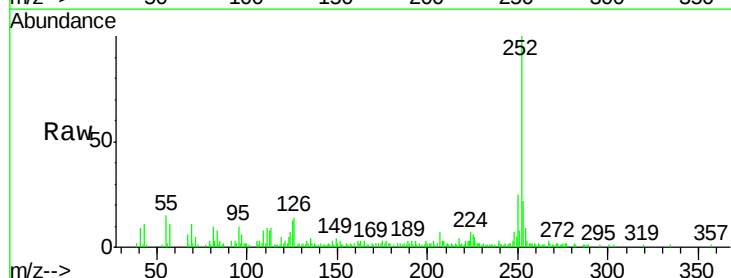
Instrument :
BNA_F
ClientSampleId :

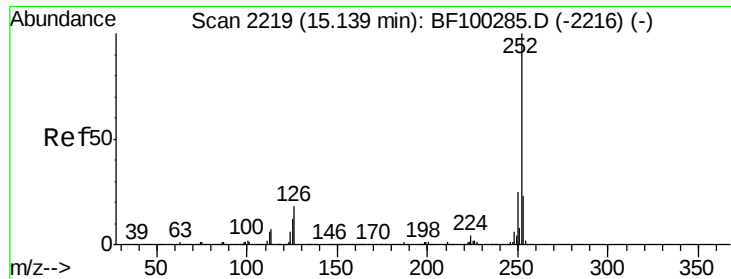
Tot Ion:264 Resp: 146350
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.46 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion:252 Resp: 73350
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 13.2 9.0 13.6

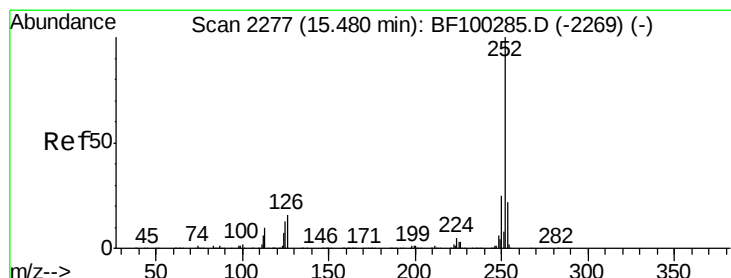
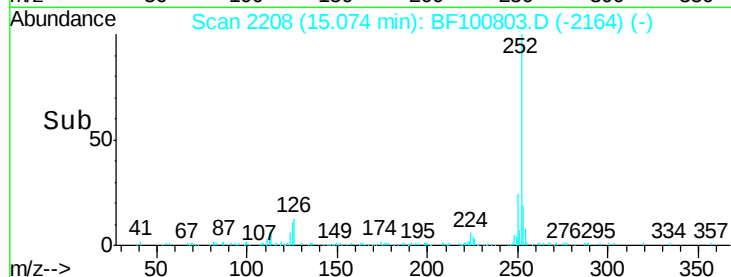
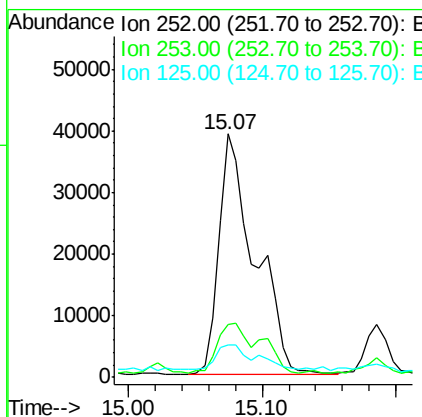
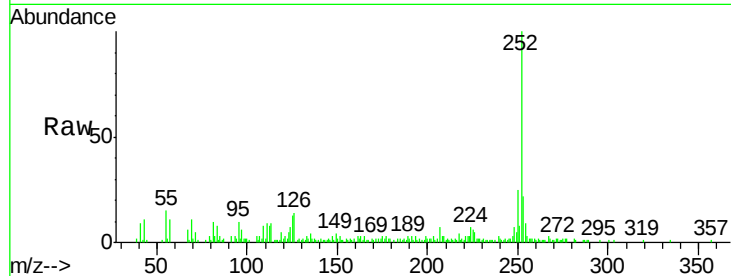




#88
Benzo(k)fluoranthene
Concen: 8.95 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

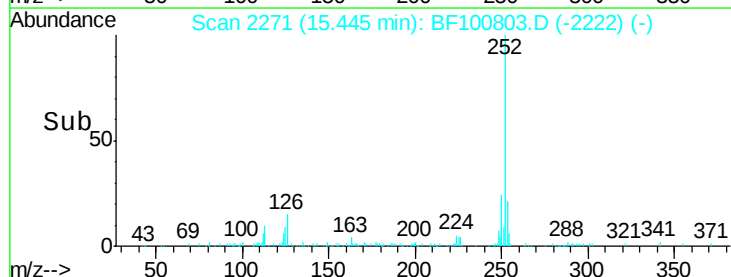
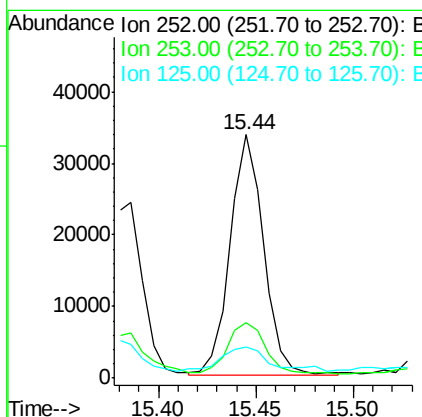
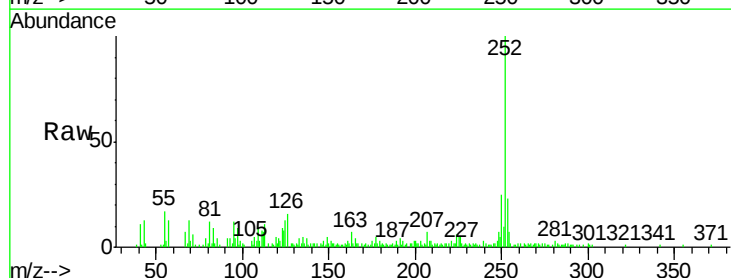
Instrument :
BNA_F
ClientSampleId :

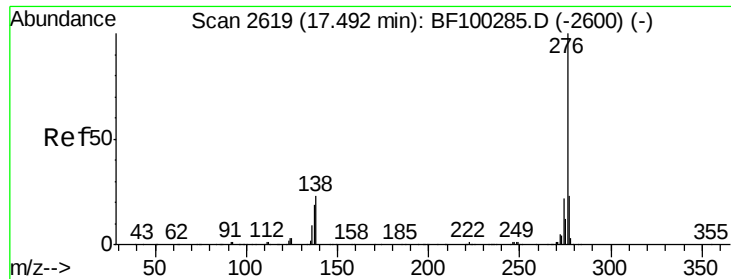
Tot Ion:252 Resp: 73350
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 13.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.23 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100803.D
Acq: 22 Nov 2017 2:26

Tgt Ion:252 Resp: 40228
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 12.8 9.8 14.6

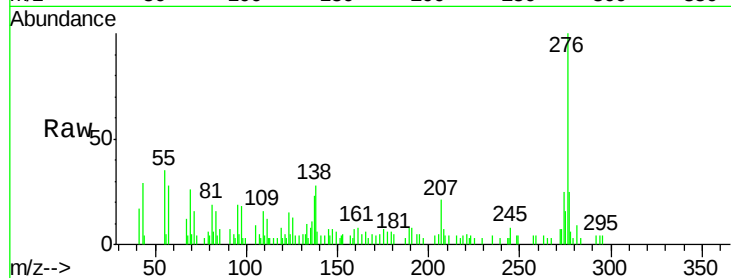




#91
 Benzo(a,h,i)perylene
 Concen: 3.60 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF100803.D
 Acq: 22 Nov 2017 2:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	27.9	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

