

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100783.D
 Acq On : 21 Nov 2017 16:32
 Operator : SJ/JU
 Sample : I6340-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

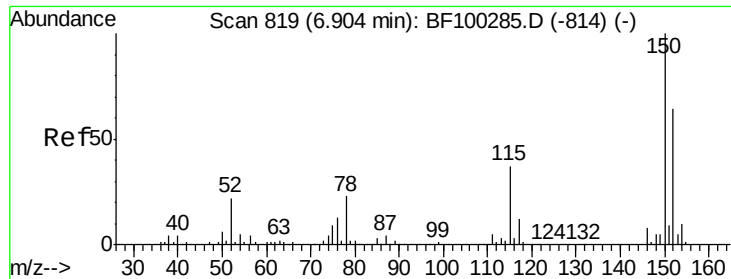
Quant Time: Nov 22 04:10:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	90422	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	351794	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	160852	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	283426	20.00	ng	0.00
75) Chrysene-d12	14.04	240	174144	20.00	ng	0.00
86) Perylene-d12	15.52	264	193451	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	698113	123.76	ng	0.00
7) Phenol-d6	6.50	99	863627	124.16	ng	0.00
23) Nitrobenzene-d5	7.44	82	510434	95.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	196701	120.01	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	774335	73.30	ng	-0.01
78) Terphenyl-d14	12.98	244	506923	66.88	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	16030	2.20	ng	96
19) n-Nitroso-di-n-propylamine	7.44	70	68582	14.22	ng	# 81
25) Isophorone	7.44	82	510426	45.65	ng	# 64
32) Benzoic acid	7.85	122	113	9.39	ng	# 39
47) 2-Nitroaniline	9.45	65	263	2.87	ng	# 2
49) Dimethylphthalate	9.62	163	248324	20.22	ng	99
64) 4,6-Dinitro-2-methylphenol	10.70	198	175	8.67	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12435	4.09	ng	# 1
70) Phenanthrene	11.42	178	89545	6.00	ng	97
74) Fluoranthene	12.61	202	154018	9.74	ng	95
77) Pyrene	12.84	202	126131	10.16	ng	99
80) Benzo(a)anthracene	14.03	228	49169	4.69	ng	97
82) Chrysene	14.06	228	61423	6.05	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	81818	12.29	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	34068	4.15	ng	# 92
87) Benzo(b)fluoranthene	15.08	252	98579	8.60	ng	# 88
88) Benzo(k)fluoranthene	15.08	252	98579	9.10	ng	# 91
89) Benzo(a)pyrene	15.45	252	46156	4.54	ng	# 88
91) Benzo(a,h,i)perylene	17.44	276	36896	4.54	ng	# 95

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

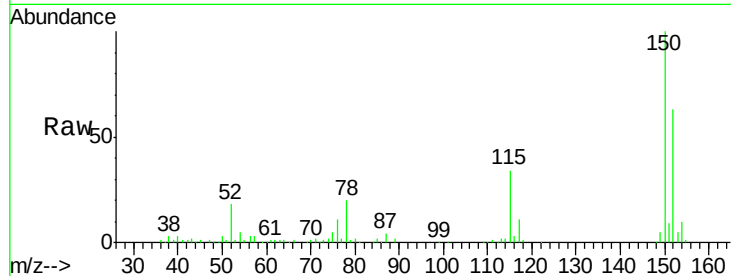


#1

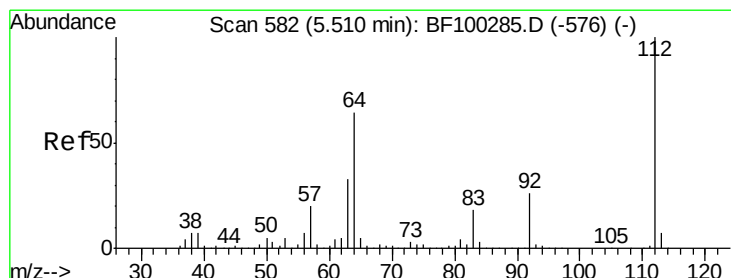
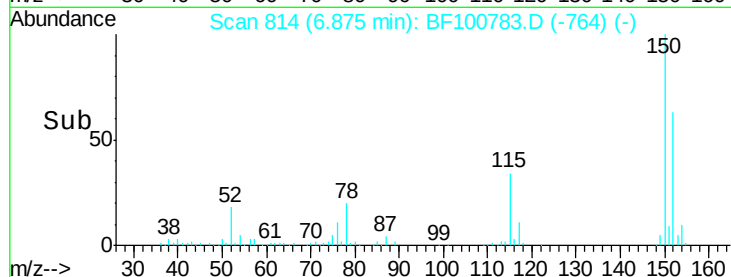
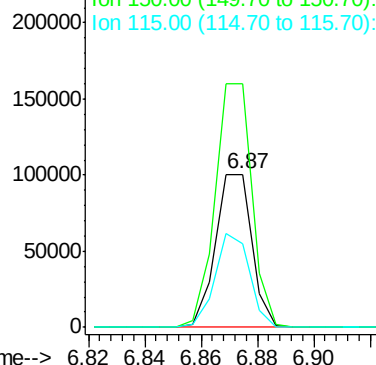
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90422
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 54.7 50.1 75.1



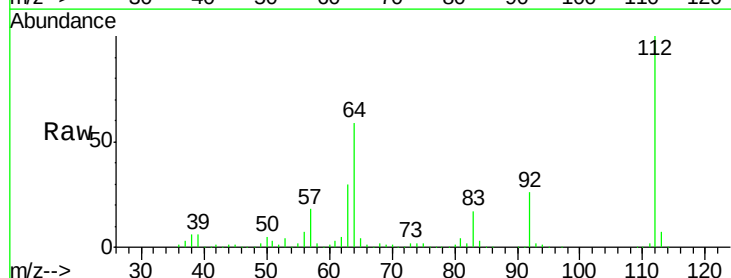
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



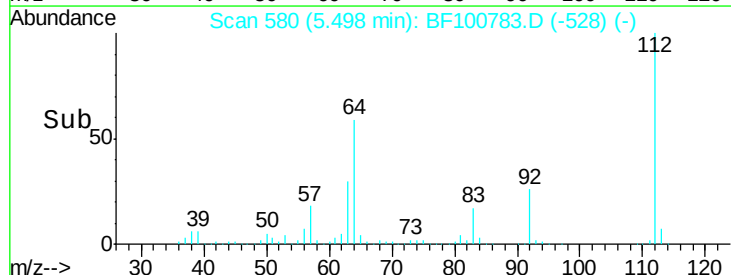
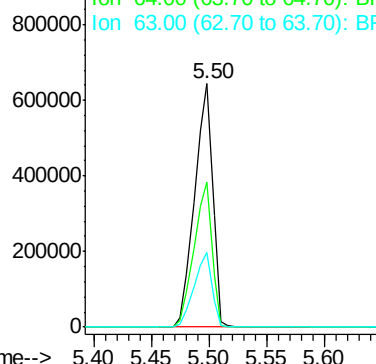
#5

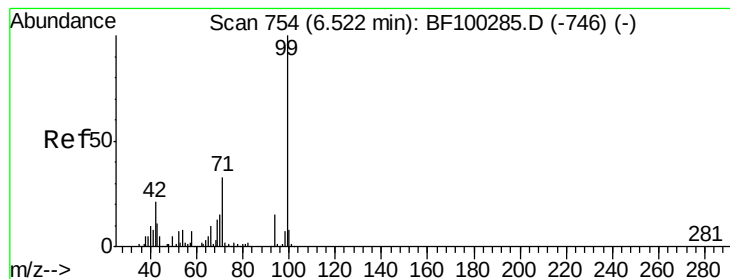
2-Fluorophenol
Concen: 123.76 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion:112 Resp: 698113
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.5 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: 124.16 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

Instrument :

BNA_F

ClientSampled :

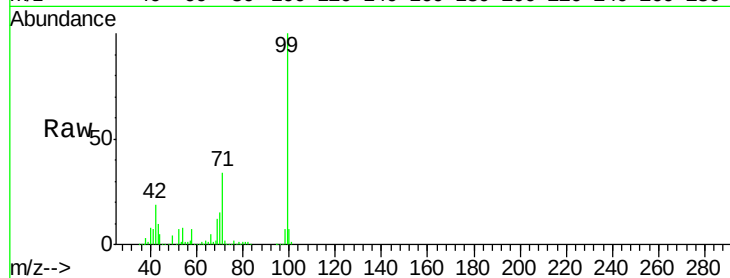
Tot Ion: 99 Resp: 863627

Ion Ratio Lower Upper

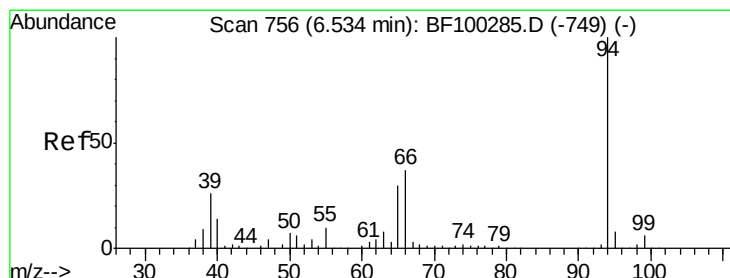
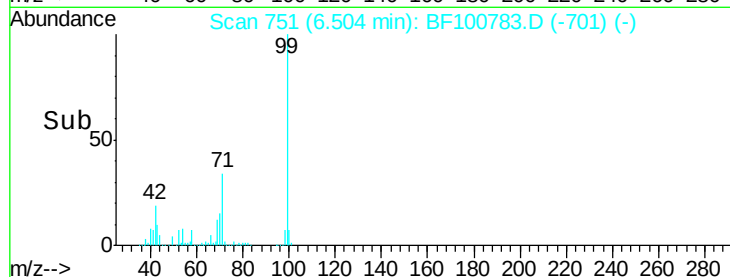
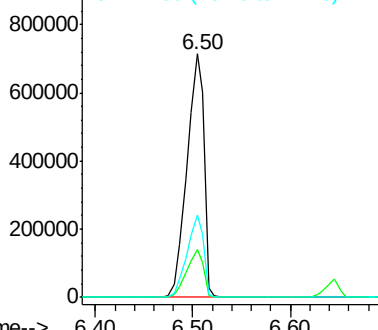
99 100

42 19.4 14.5 21.7

71 33.7 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: 2.20 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

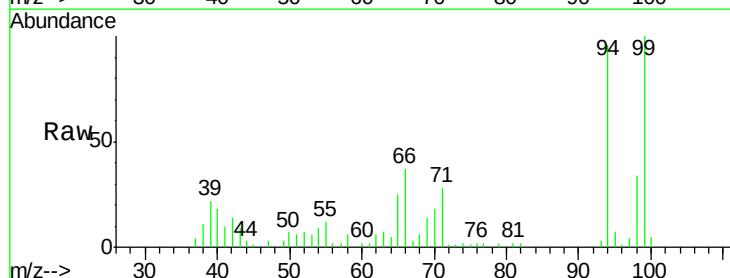
Tgt Ion: 94 Resp: 16030

Ion Ratio Lower Upper

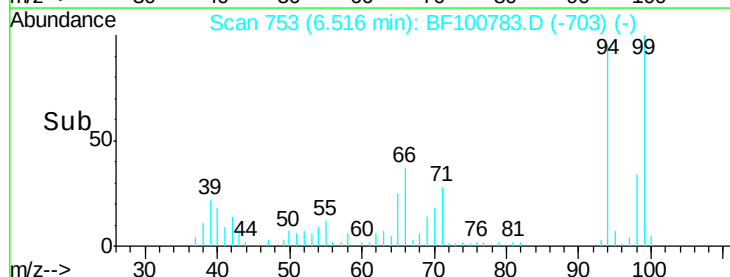
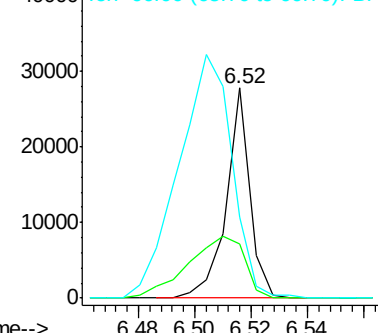
94 100

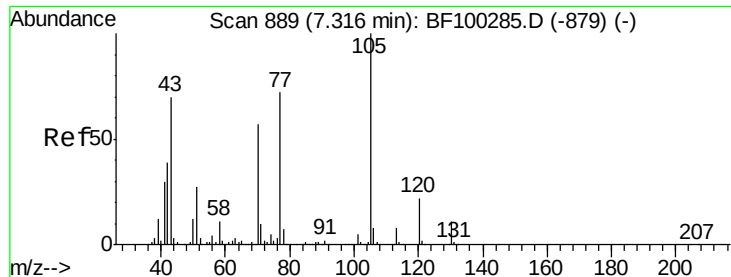
65 25.9 7.9 47.9

66 38.8 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

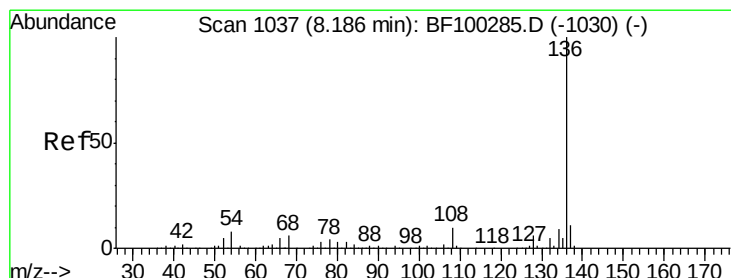
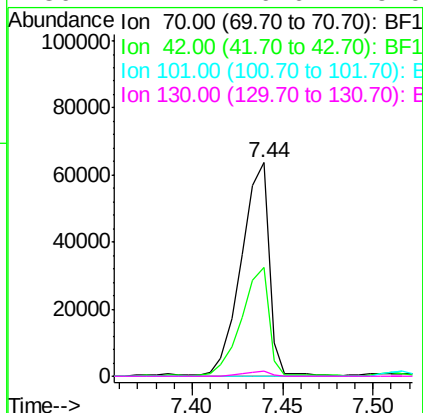
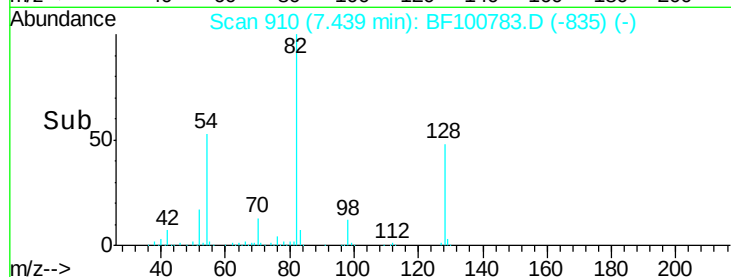
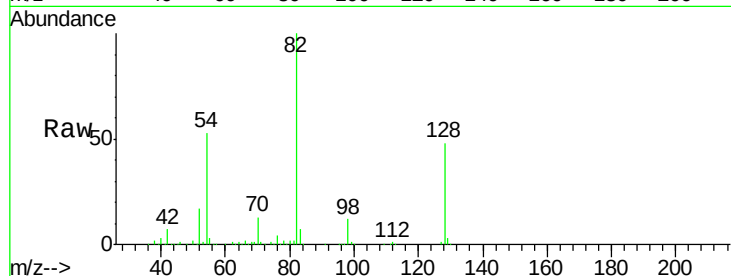




#19
n-Nitroso-di-n-propylamine
Concen: 14.22 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

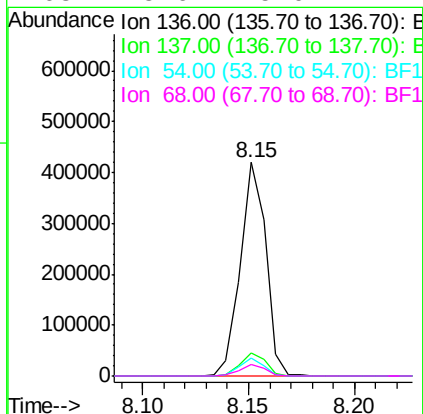
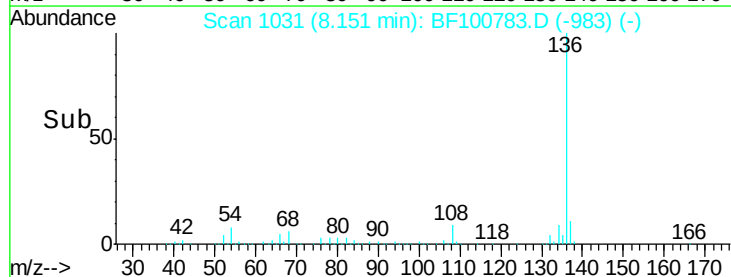
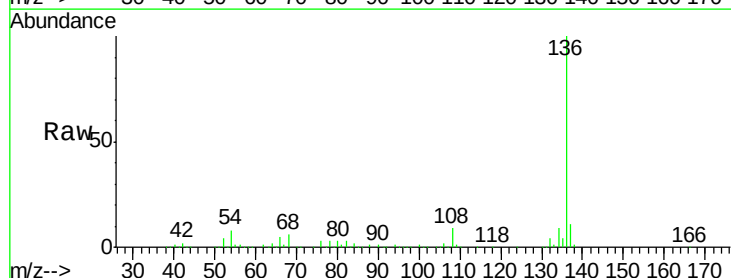
Instrument :
BNA_F
ClientSampled :

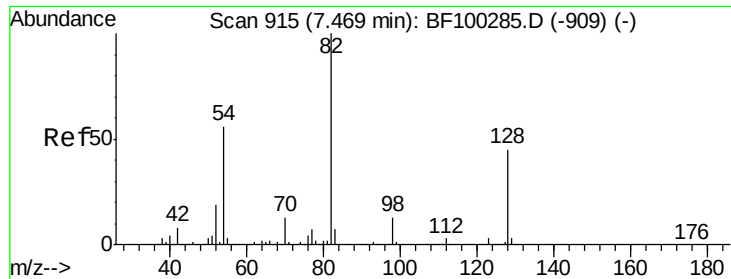
Tot Ion: 70 Resp: 68582
Ion Ratio Lower Upper
70 100
42 51.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion: 136 Resp: 351794
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.4 6.6 9.8
68 5.6 5.0 7.4

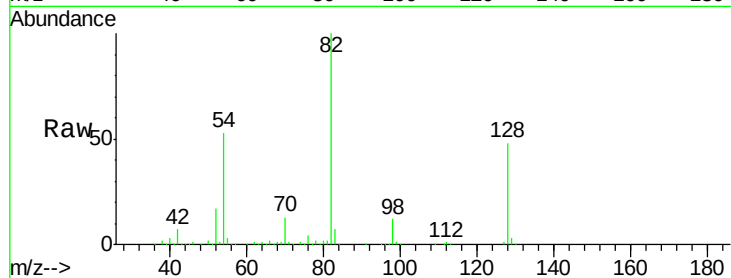




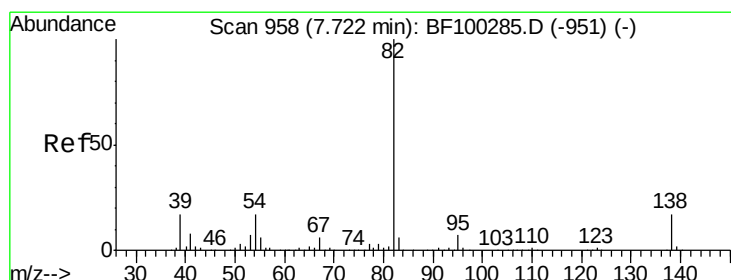
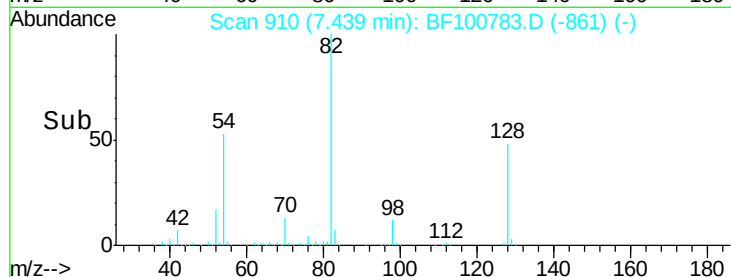
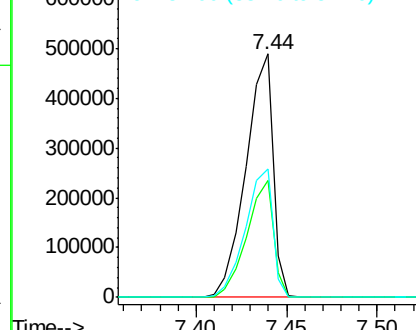
#23
Nitrobenzene-d5
Concen: 95.93 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	510434
Ion Ratio	100	Lower	Upper
128	48.1	36.1	54.1
54	52.9	41.4	62.2

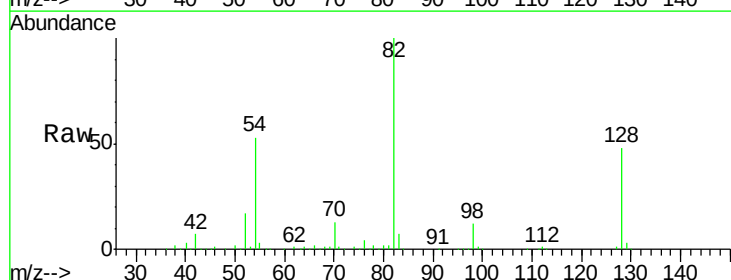


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

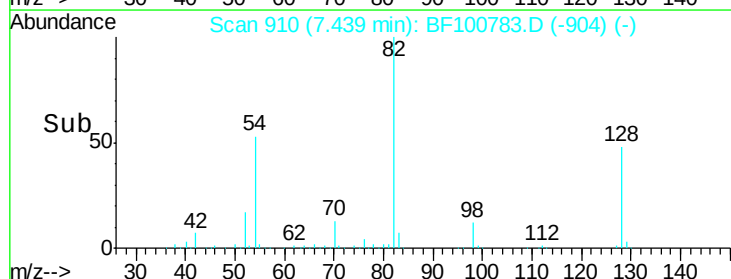
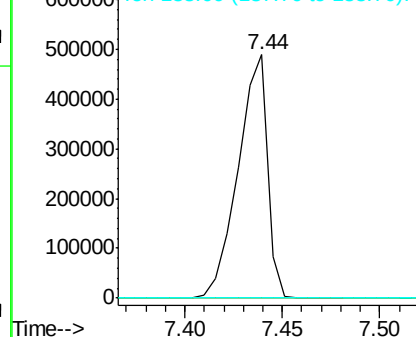


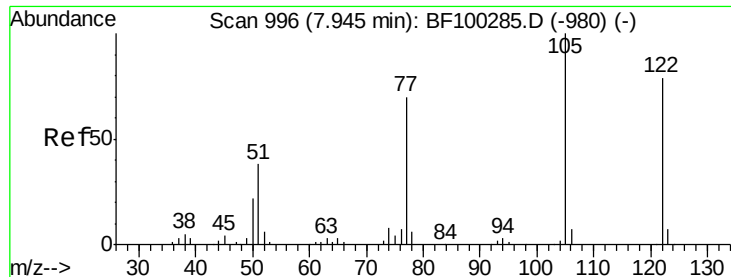
#25
Isophorone
Concen: 45.65 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion	82	Resp	510426
Ion Ratio	100	Lower	Upper
95	0.1	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

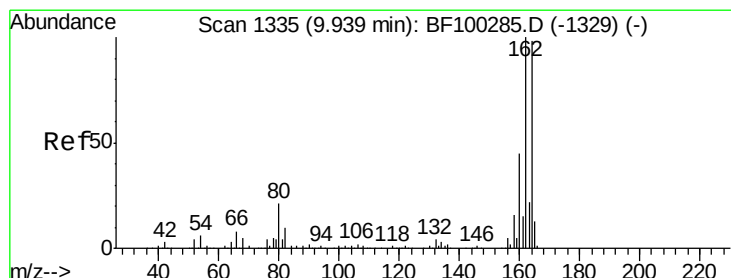
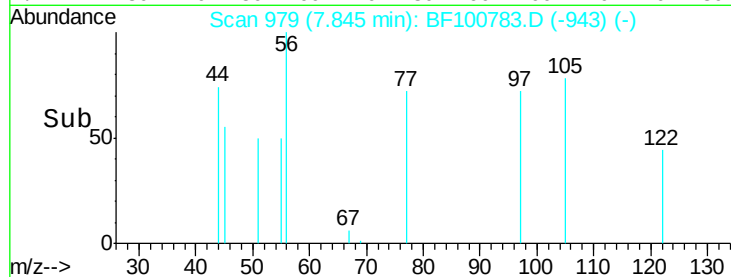
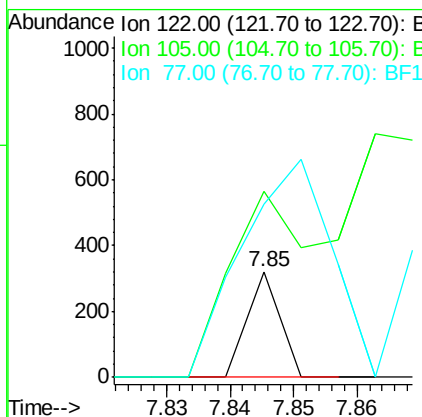
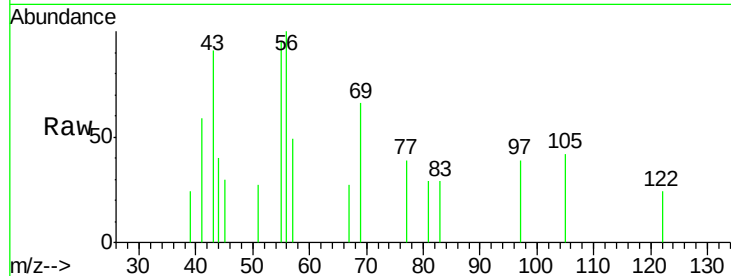




#32
Benzoic acid
Concen: 9.39 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.09 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

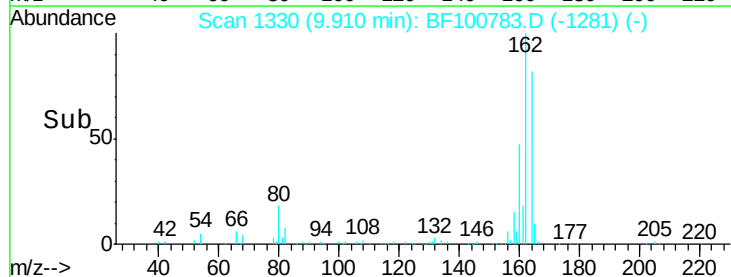
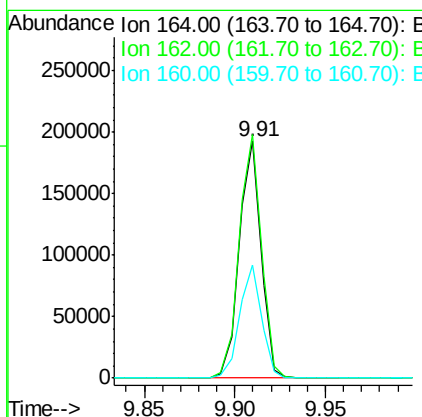
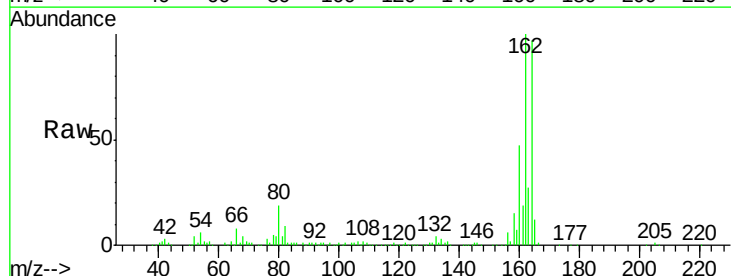
Instrument :
BNA_F
ClientSampled :

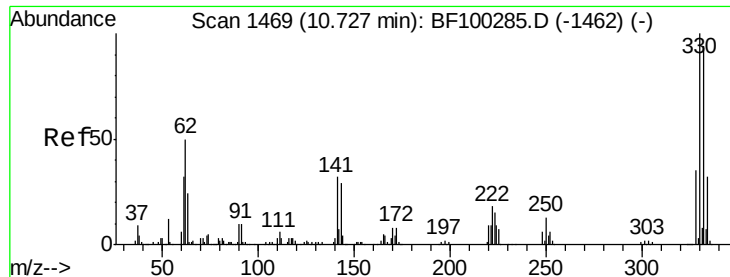
Tot Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 175.7 101.1 141.1#
77 163.6 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion:164 Resp: 160852
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 47.8 38.3 57.5

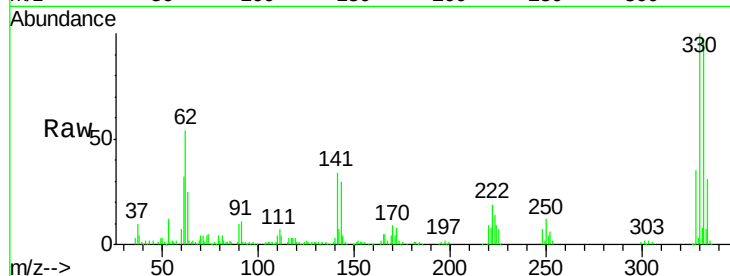




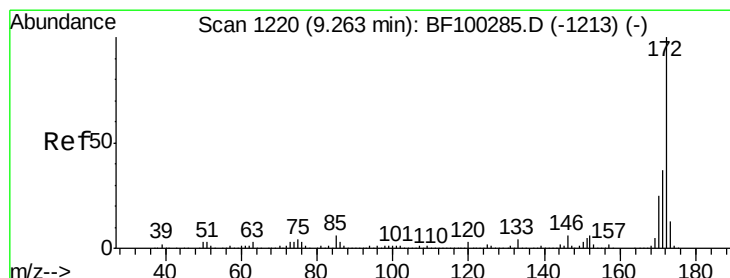
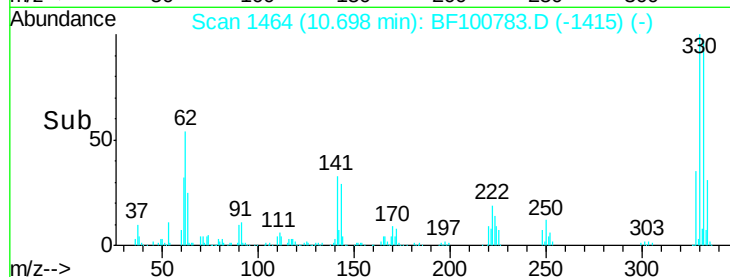
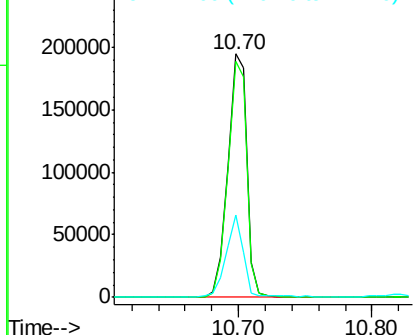
#41
 2,4,6-Tribromophenol
 Concen: 120.01 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 196701
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 30.2 29.9 44.9

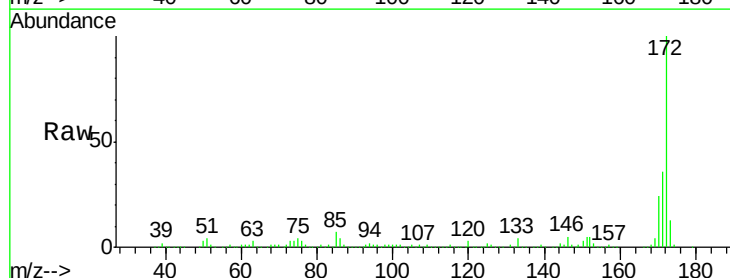


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

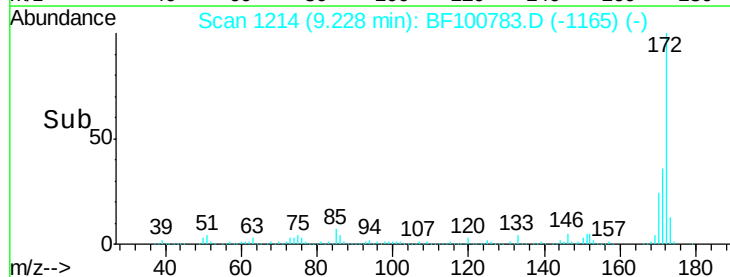
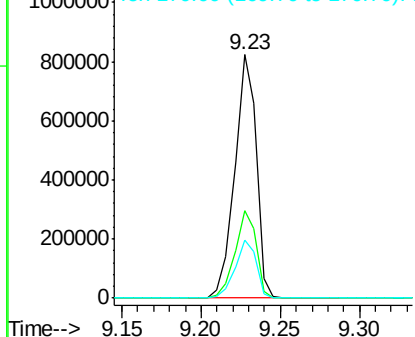


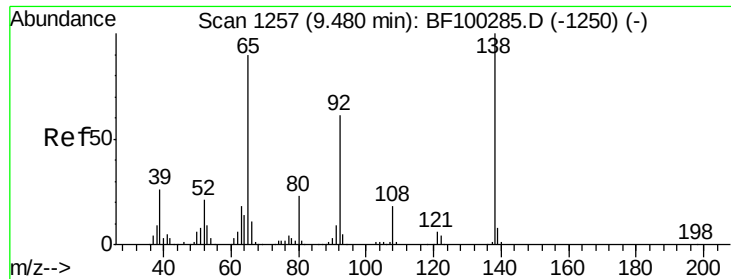
#44
 2-Fluorobiphenyl
 Concen: 73.30 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Tgt Ion:172 Resp: 774335
 Ion Ratio Lower Upper
 172 100
 171 35.9 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

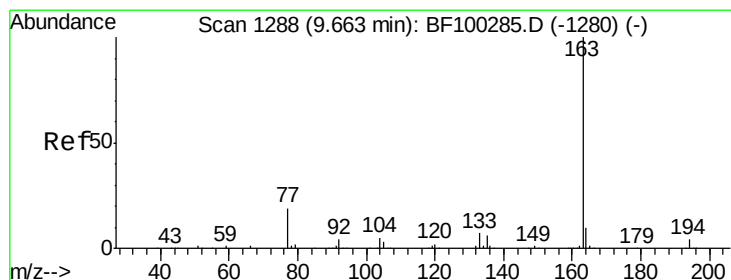
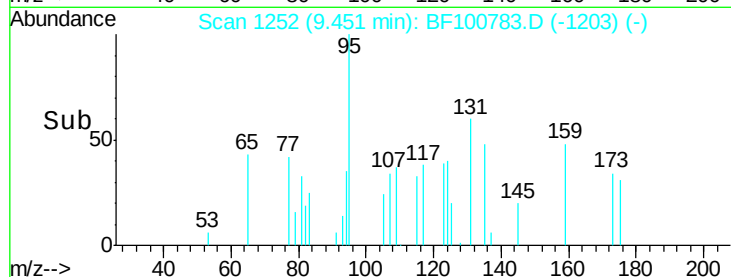
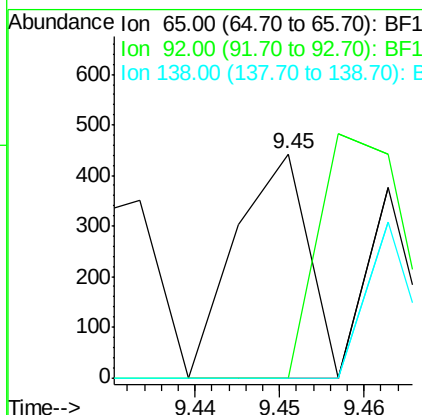
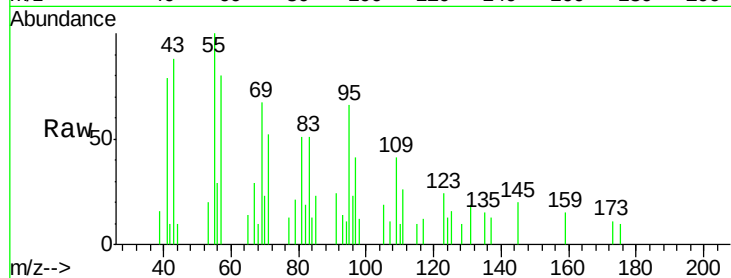




#47
2-Nitroaniline
Concen: 2.87 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

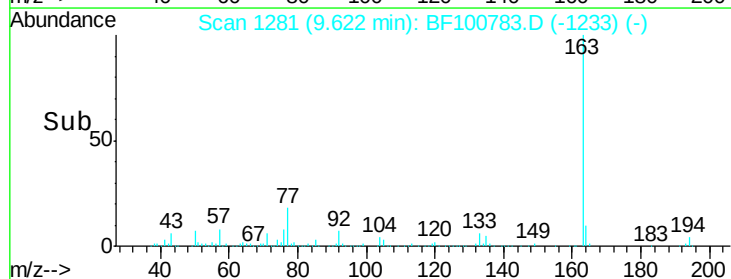
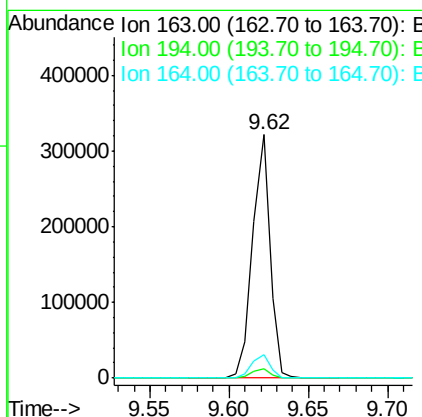
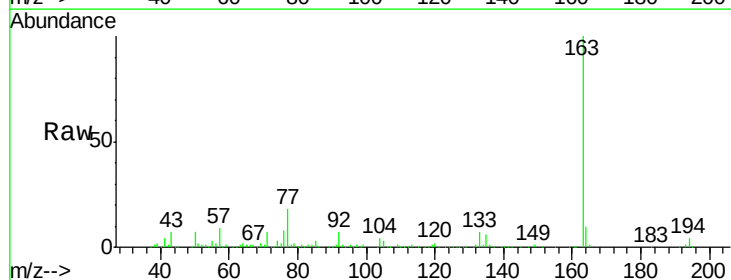
Instrument :
BNA_F
ClientSampled :

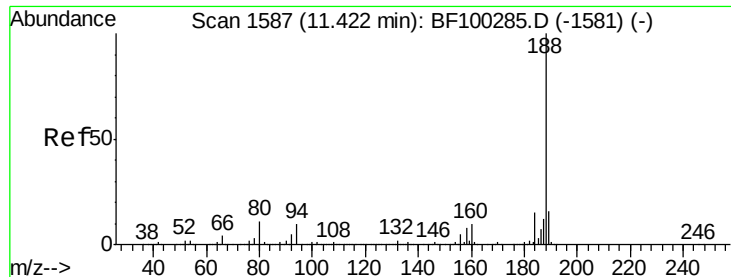
Tot Ion: 65 Resp: 263
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 20.22 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion: 163 Resp: 248324
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.7 8.2 12.2

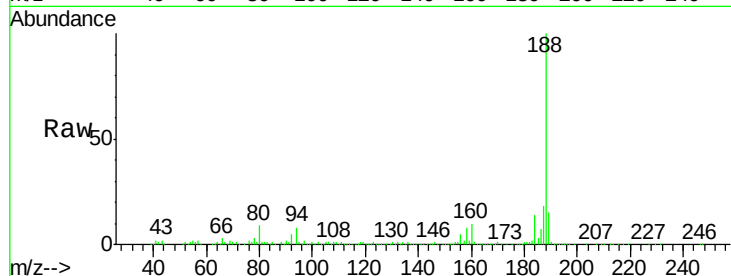




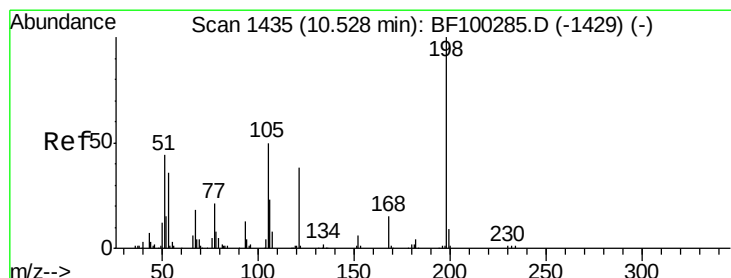
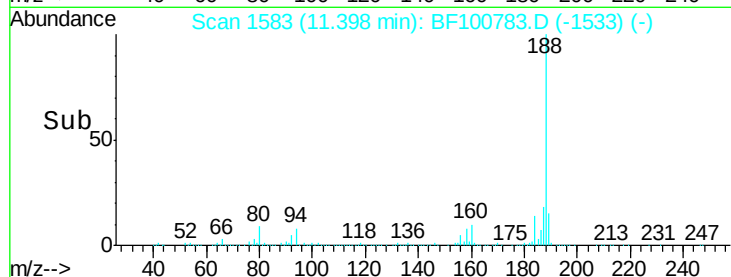
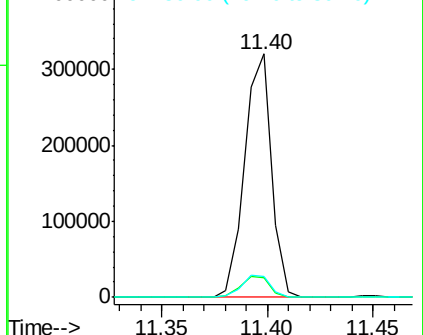
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 283426
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.8 9.2 13.8#

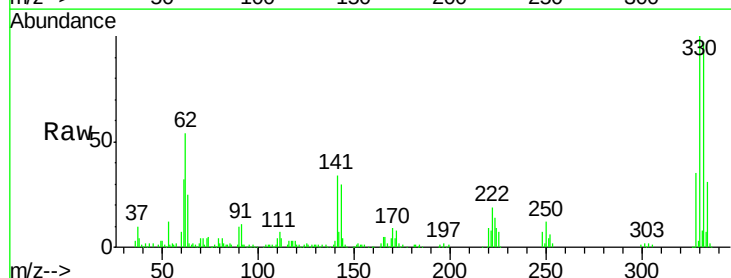


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

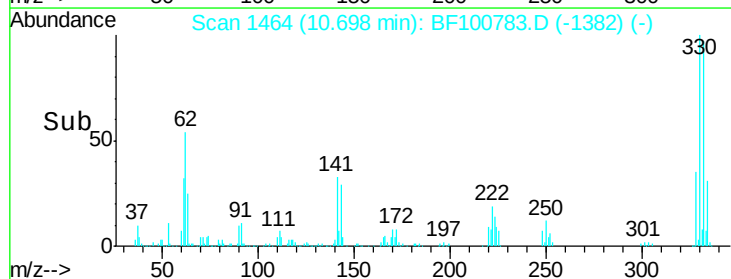
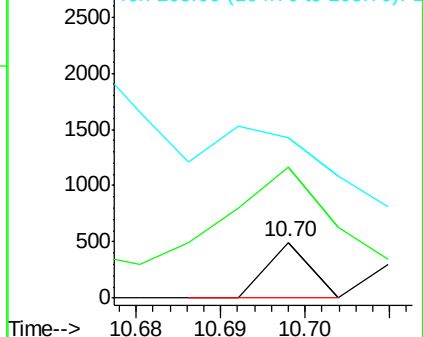


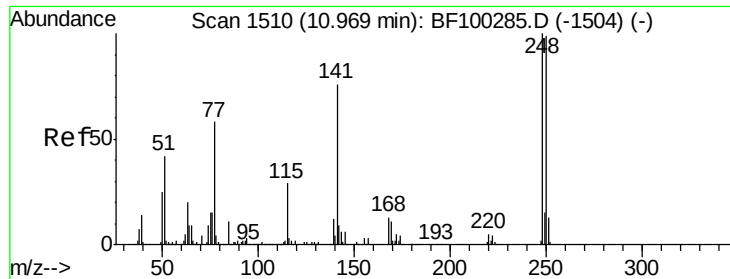
#64
4,6-Dinitro-2-methylphenol
Concen: 8.67 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion:198 Resp: 175
Ion Ratio Lower Upper
198 100
51 235.1 37.7 77.7#
105 287.3 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

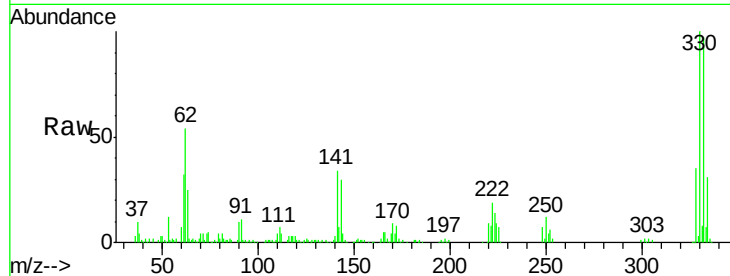




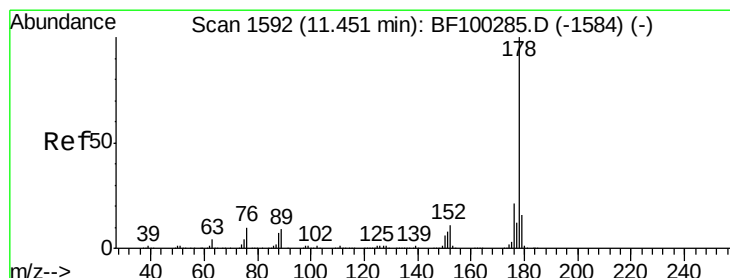
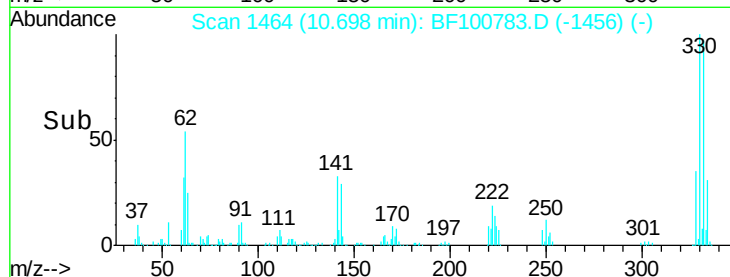
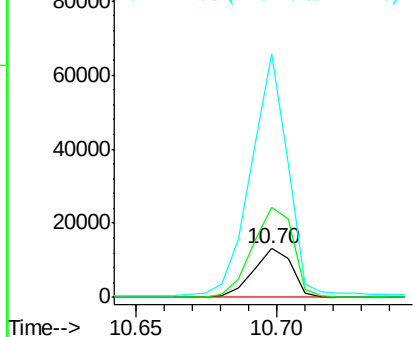
#66
 4-Bromophenyl-phenylether
 Concen: 4.09 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12435
 Ion Ratio Lower Upper
 248 100
 250 184.9 76.9 115.3#
 141 500.1 74.4 111.6#

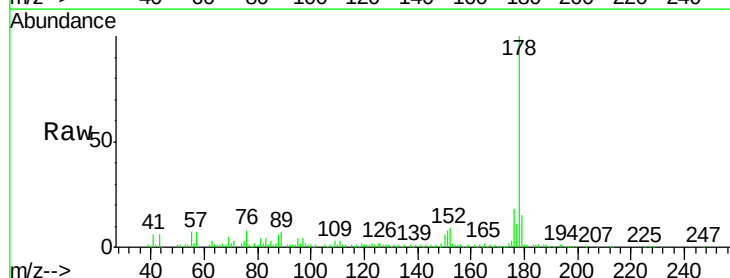


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

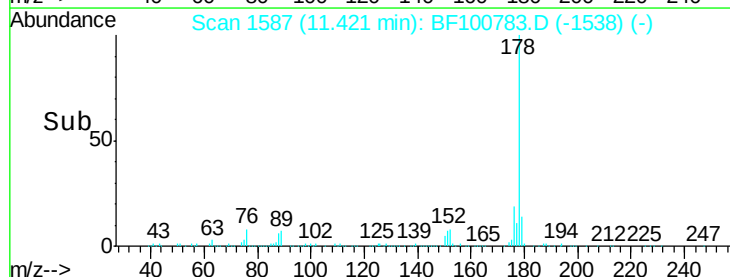
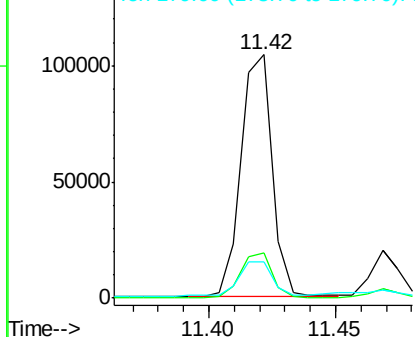


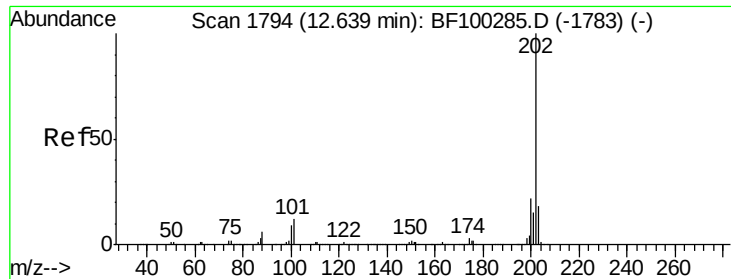
#70
 Phenanthrene
 Concen: 6.00 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Tgt Ion:178 Resp: 89545
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.8 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

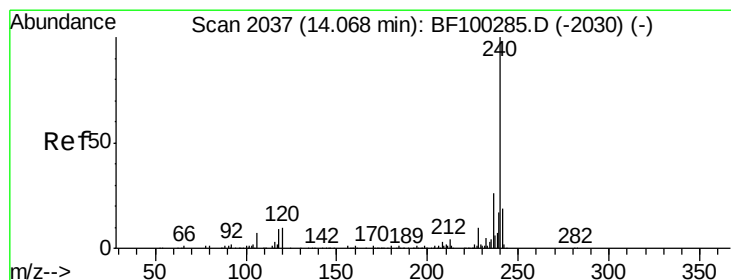
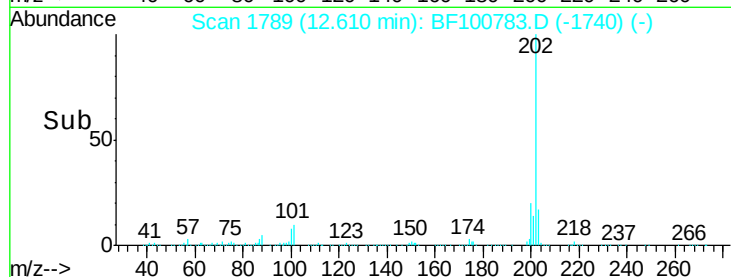
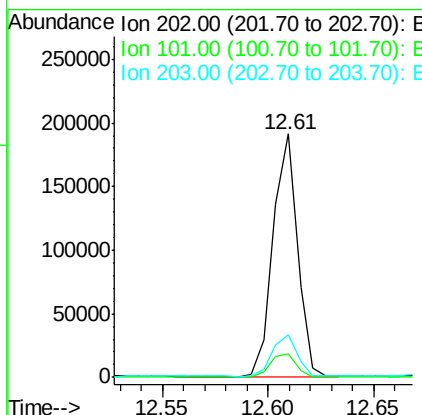
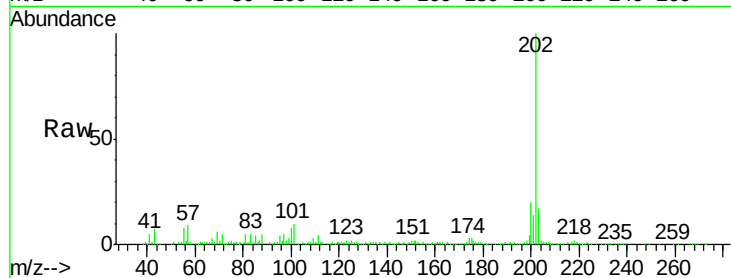




#74
Fluoranthene
Concen: 9.74 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

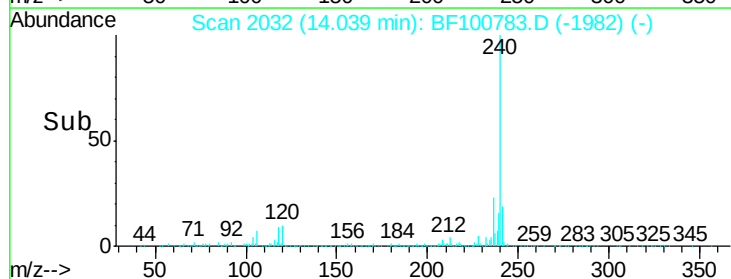
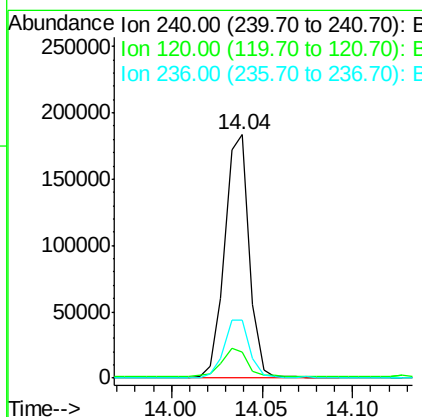
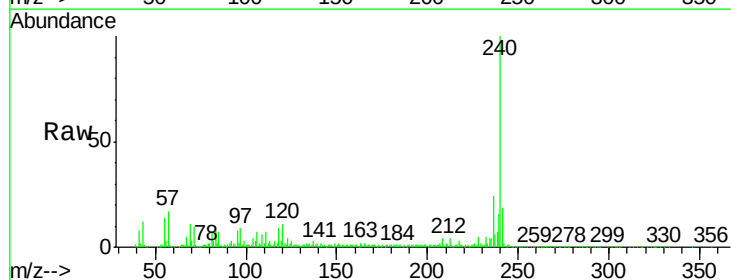
Instrument :
BNA_F
ClientSampleId :

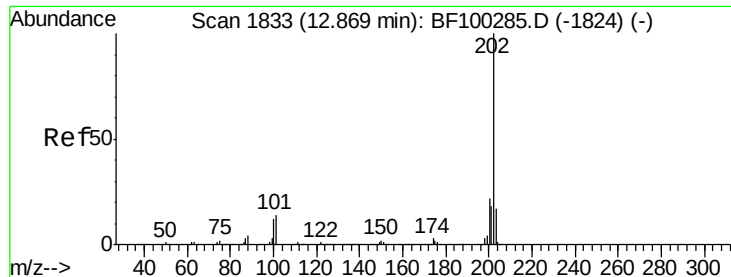
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	23.6	20.7	31.1





#77

Pvrene

Concen: 10.16 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

Instrument :

BNA_F

ClientSampleId :

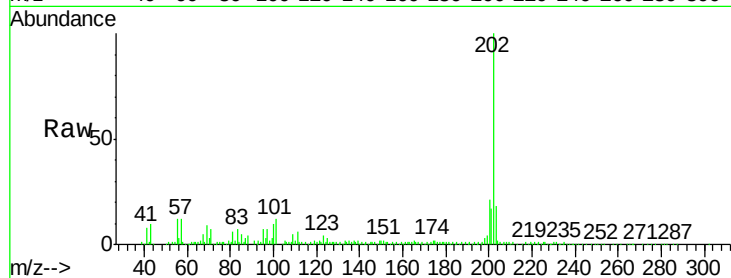
Tot Ion:202 Resp: 126131

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

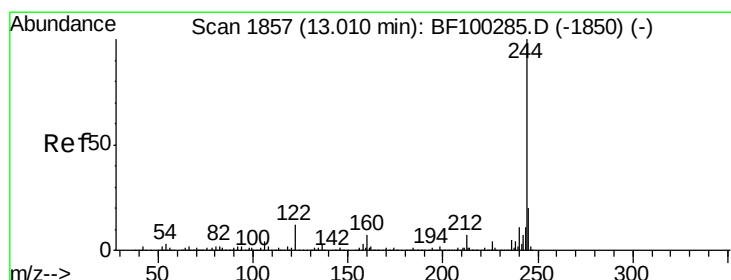
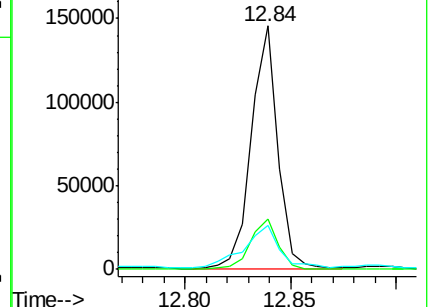
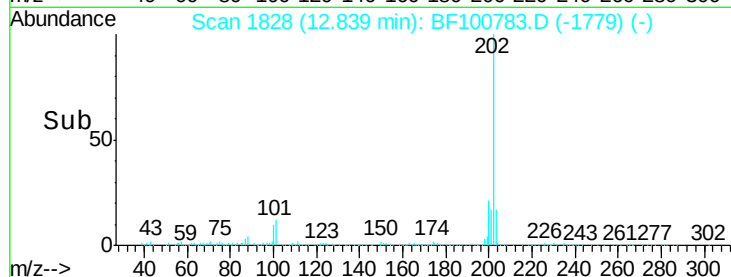
203 18.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.88 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

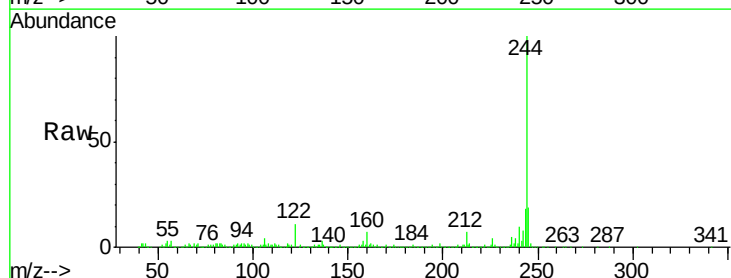
Tgt Ion:244 Resp: 506923

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

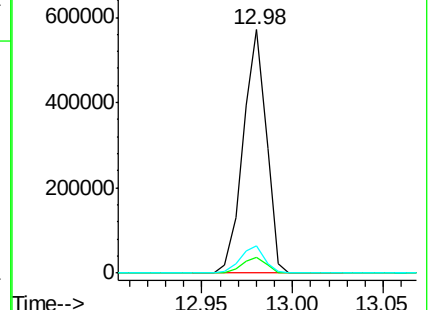
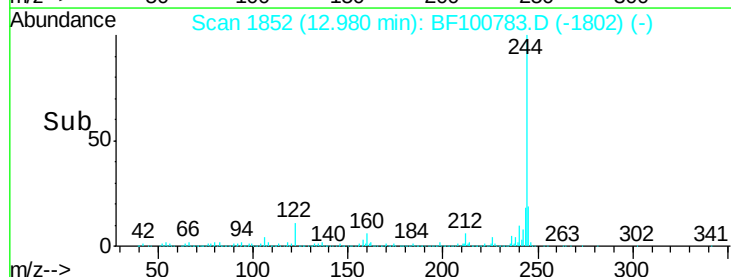
122 11.1 11.0 16.4

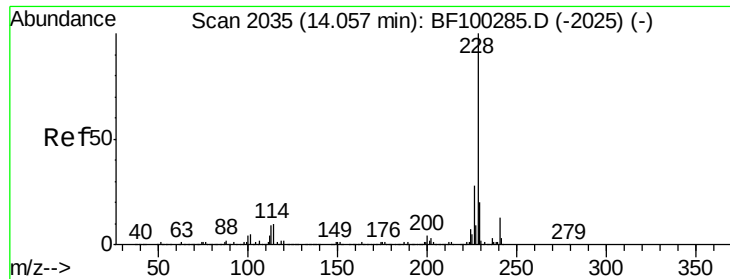


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.69 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

Instrument :

BNA_F

ClientSampleId :

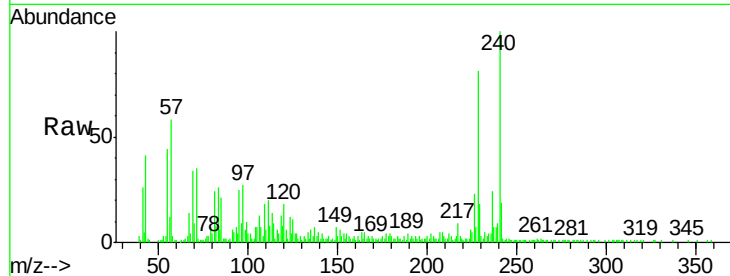
Tot Ion:228 Resp: 49169

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

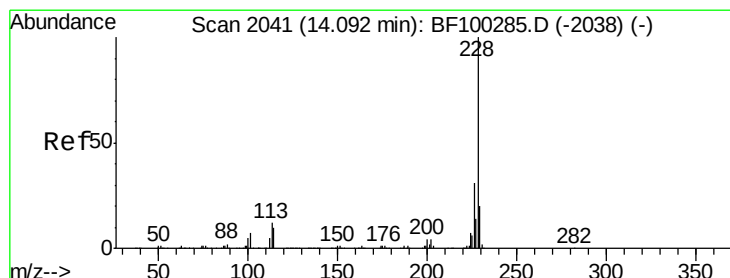
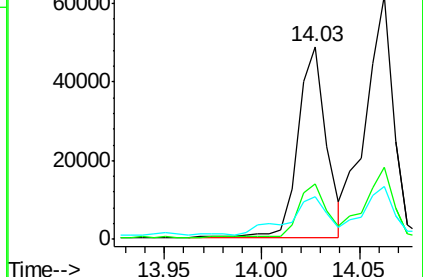
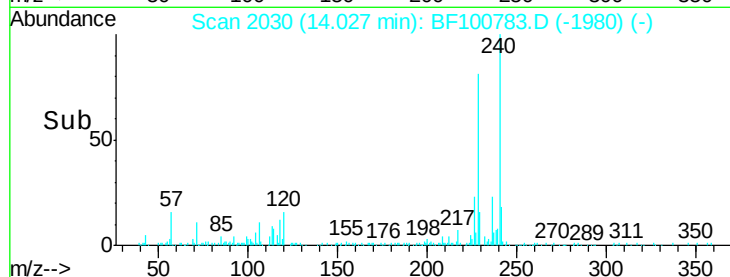
229 22.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.05 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100783.D

Acq: 21 Nov 2017 16:32

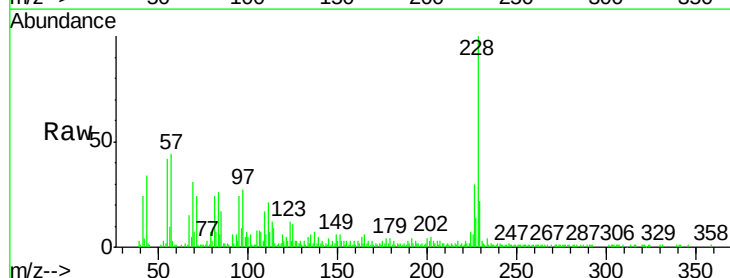
Tgt Ion:228 Resp: 61423

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

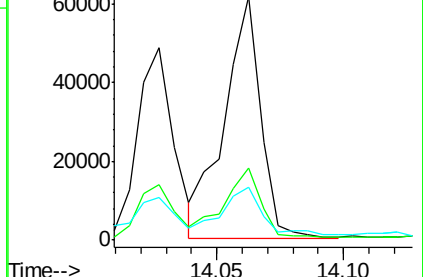
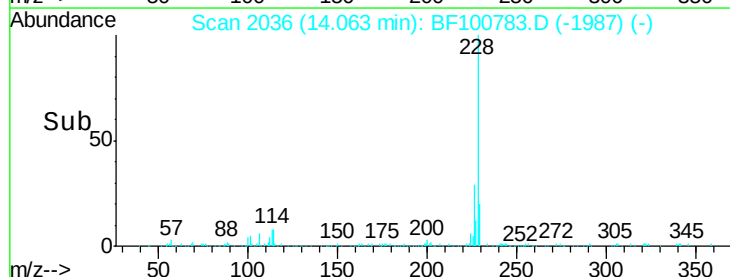
229 21.9 16.2 24.4

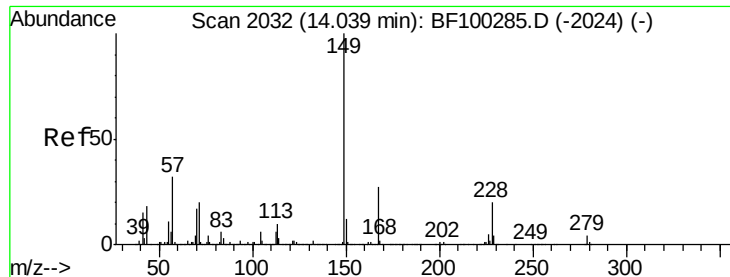


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

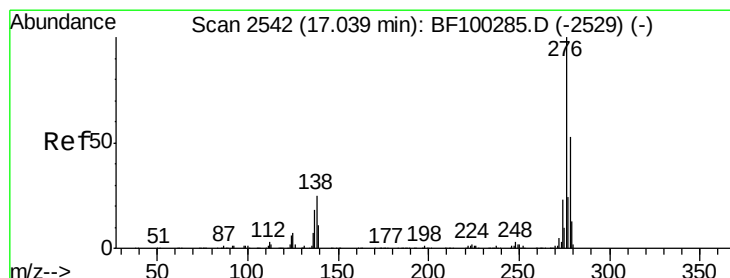
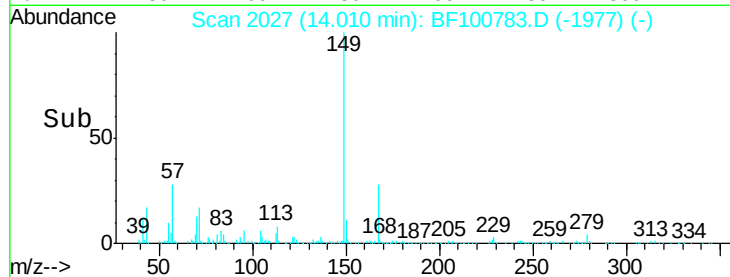
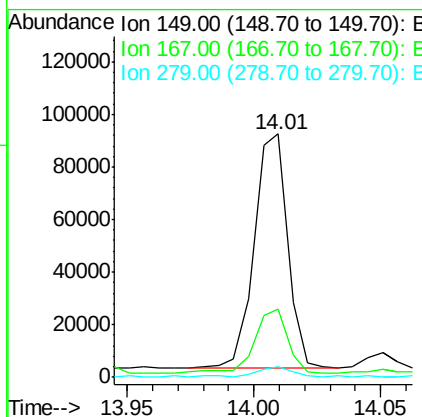
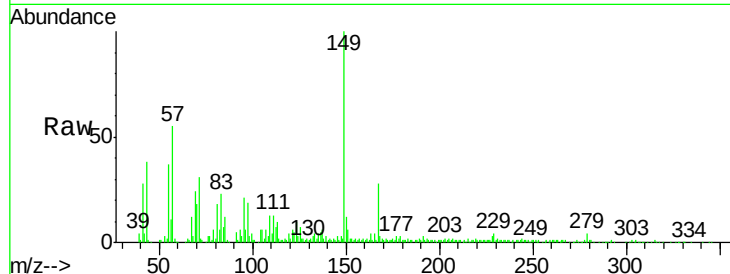




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 12.29 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

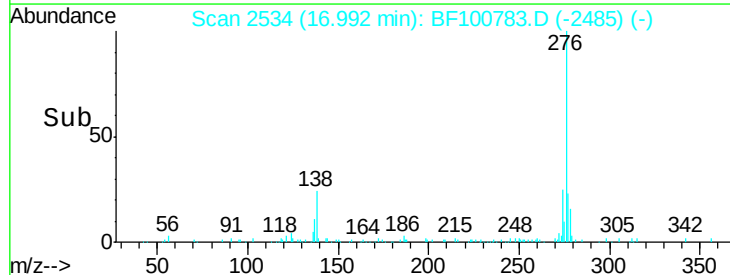
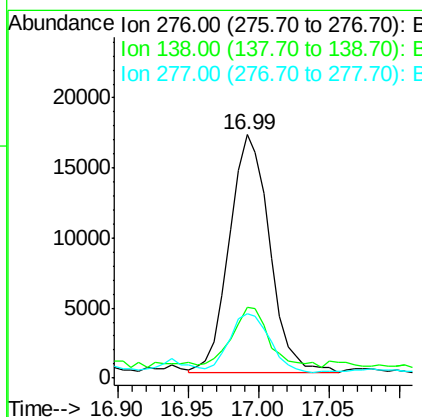
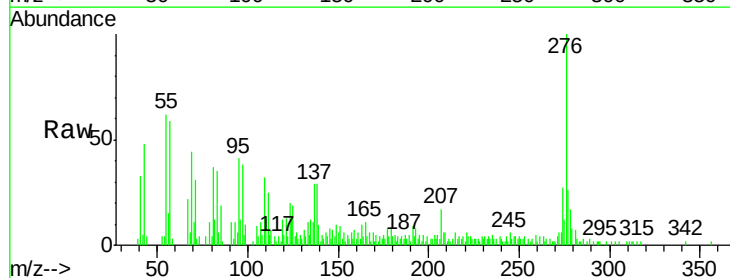
Instrument :
 BNA_F
 ClientSampleId :

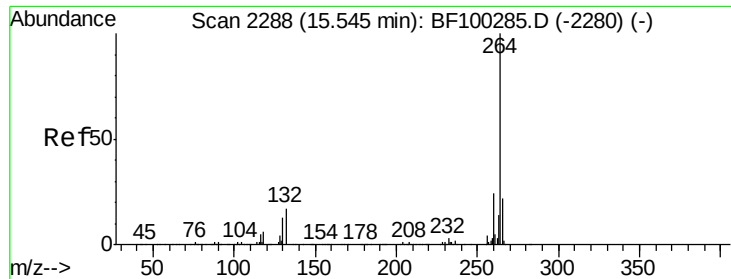
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	4.1	3.0	4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.15 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	25.1	20.1	30.1

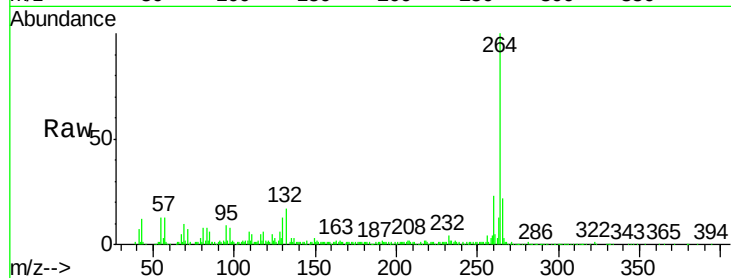




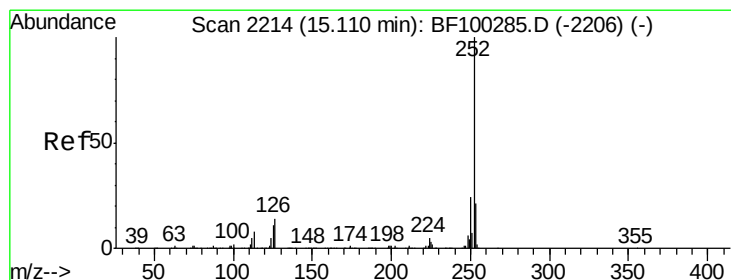
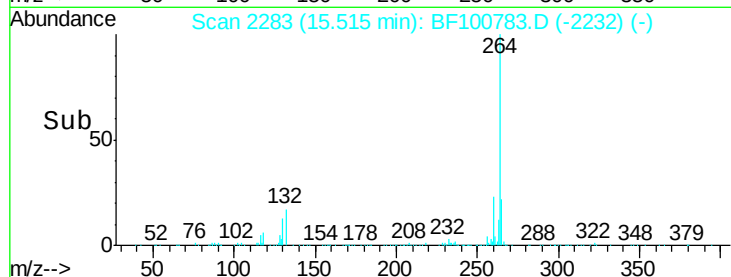
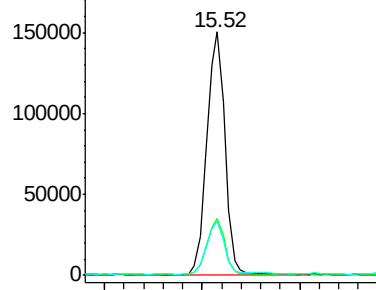
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.5	26.3

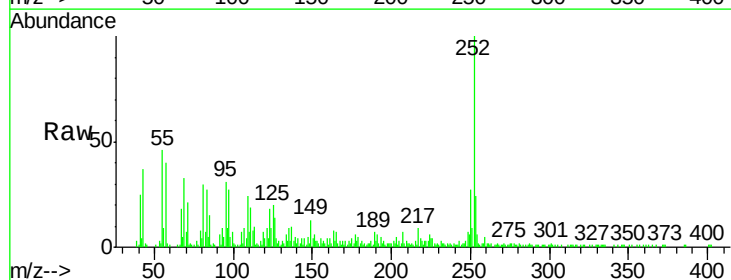


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

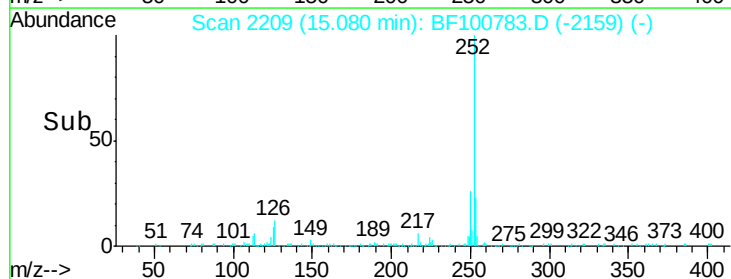
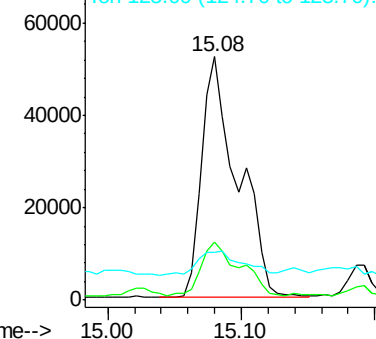


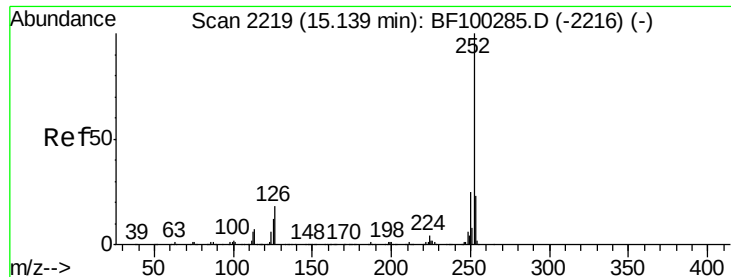
#87
Benzo(b)fluoranthene
Concen: 8.60 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	19.9	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

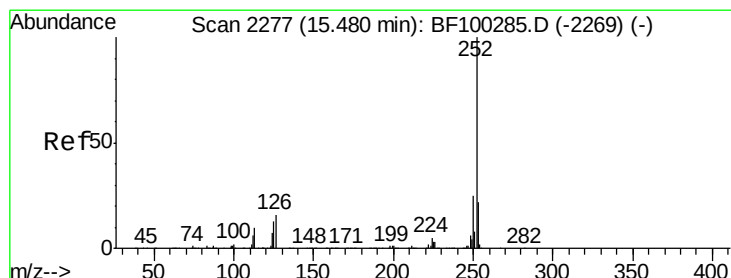
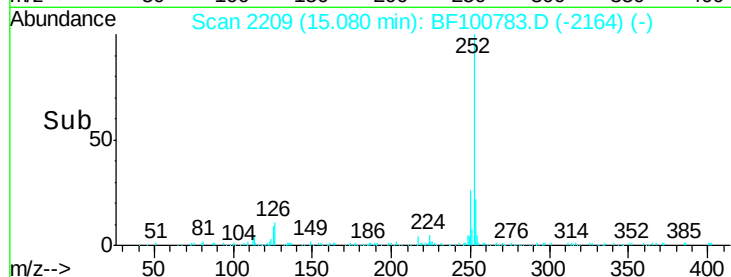
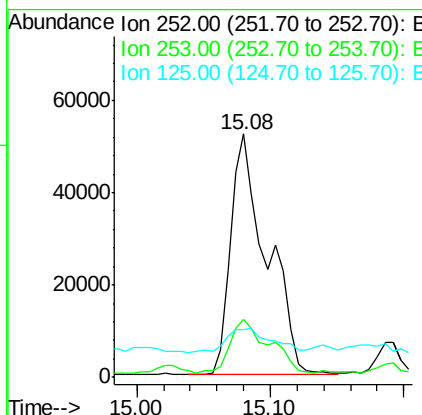
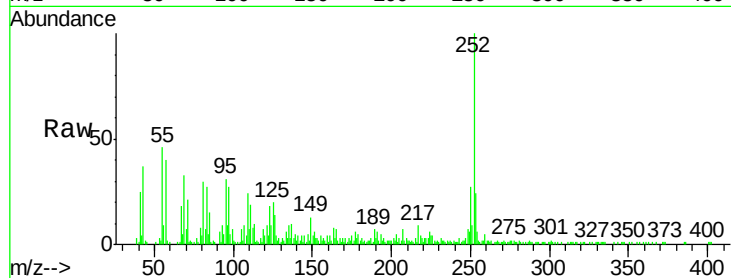




#88
Benzo(k)fluoranthene
Concen: 9.10 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

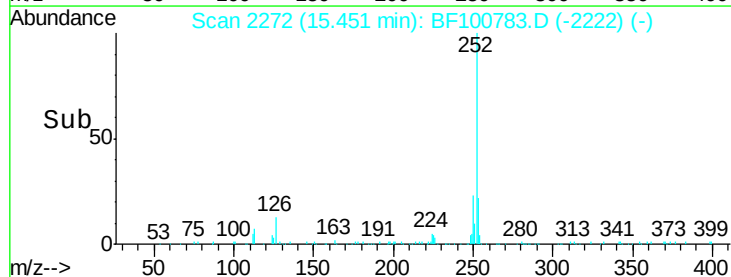
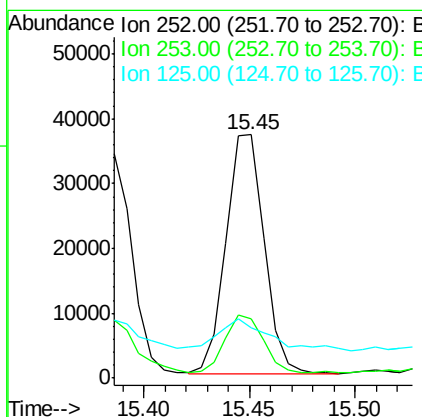
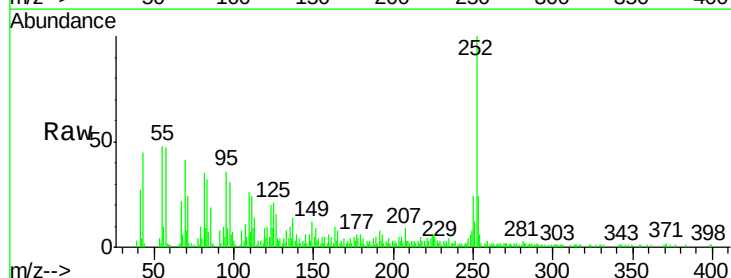
Instrument :
BNA_F
ClientSampleId :

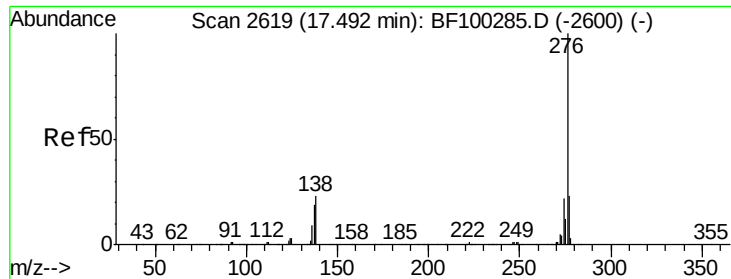
Tot Ion:252 Resp: 98579
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 19.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 4.54 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100783.D
Acq: 21 Nov 2017 16:32

Tgt Ion:252 Resp: 46156
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 20.7 9.8 14.6#

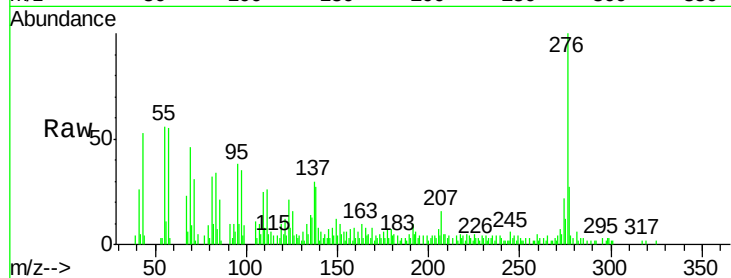




#91
 Benzo(a,h,i)perylene
 Concen: 4.54 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF100783.D
 Acq: 21 Nov 2017 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	26.6	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

