

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100784.D
 Acq On : 21 Nov 2017 16:58
 Operator : SJ/JU
 Sample : I6340-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:11:33 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

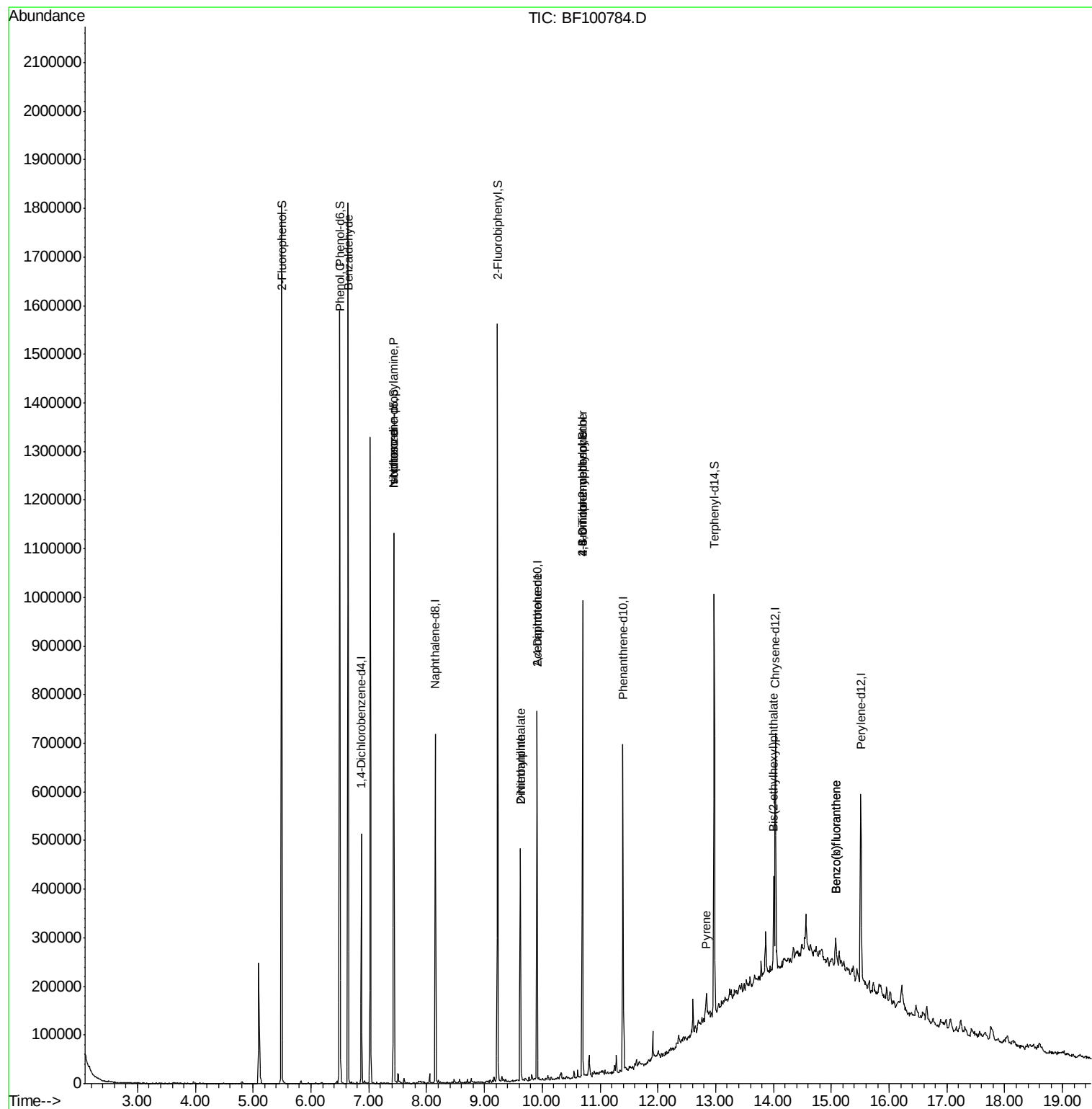
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	80303	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	307760	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	140214	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	242143	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	158582	20.00	ng	-0.01
86) Perylene-d12	15.51	264	182455	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	533707	106.54	ng	0.00
7) Phenol-d6	6.50	99	639557	103.53	ng	-0.01
23) Nitrobenzene-d5	7.43	82	357094	76.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	125531	87.86	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	463059	50.29	ng	-0.01
78) Terphenyl-d14	12.97	244	265150	38.42	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	10688	2.42	ng	91
10) Phenol	6.51	94	16462	2.54	ng	92
19) n-Nitroso-di-n-propylamine	7.43	70	46687	10.90	ng	# 81
25) Isophorone	7.43	82	357089	36.50	ng	# 64
47) 2-Nitroaniline	9.62	65	1775	3.43	ng	# 1
49) Dimethylphthalate	9.62	163	188216	17.58	ng	# 99
56) 2,4-Dinitrotoluene	9.91	165	18542	6.94	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	283	8.76	ng	# 16
66) 4-Bromophenyl-phenylether	10.70	248	7893	3.04	ng	# 1
77) Pyrene	12.83	202	23330	2.06	ng	97
83) Bis(2-ethylhexyl)phthalate	14.00	149	49209	8.12	ng	98
87) Benzo(b)fluoranthene	15.07	252	30352	2.81	ng	# 78
88) Benzo(k)fluoranthene	15.07	252	30352	2.97	ng	# 81

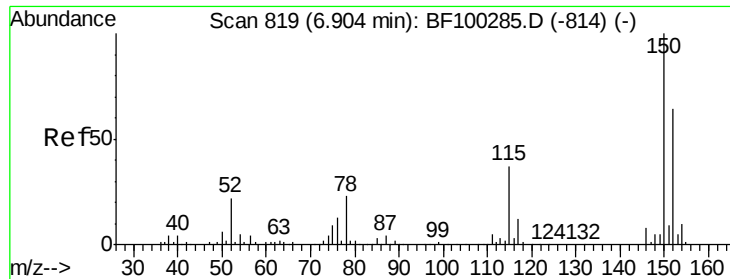
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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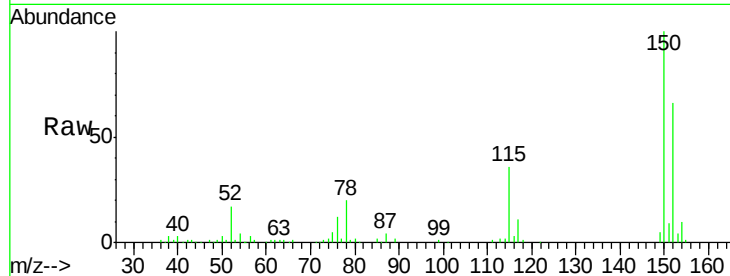


#1

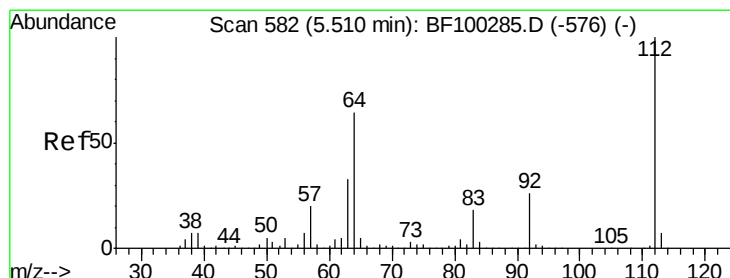
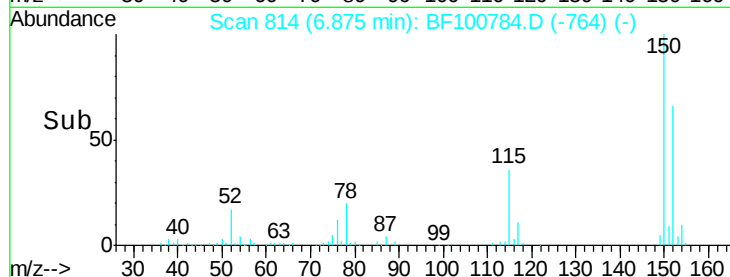
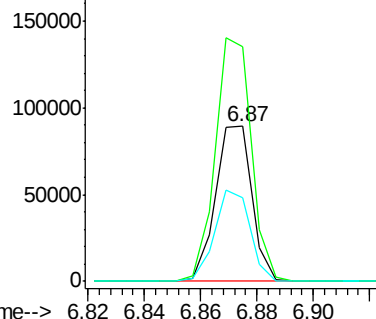
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80303
Ion Ratio Lower Upper
152 100
150 151.2 124.6 186.8
115 54.1 50.1 75.1



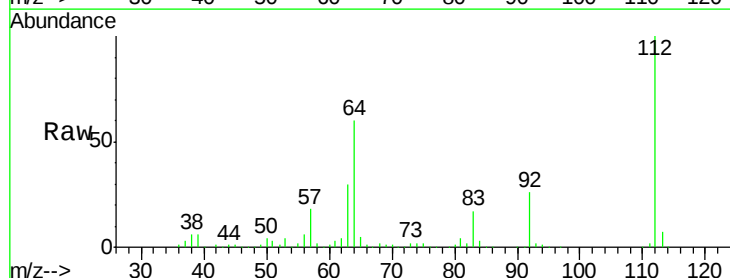
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



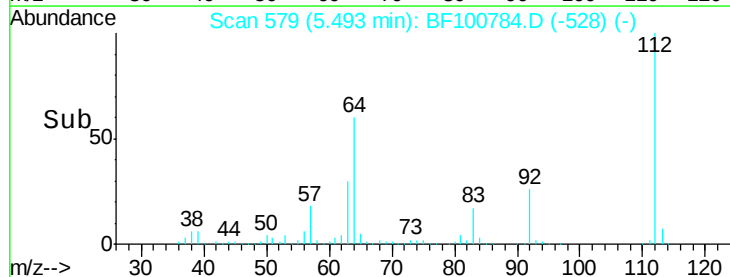
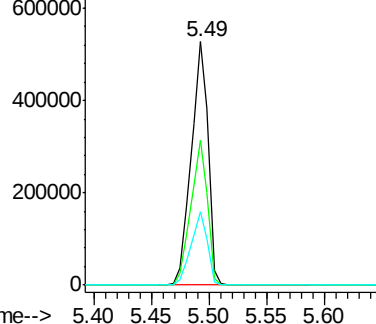
#5

2-Fluorophenol
Concen: 106.54 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Tgt Ion:112 Resp: 533707
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 30.2 23.7 35.5



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





#7

Phenol-d6

Concen: 103.53 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampleId :

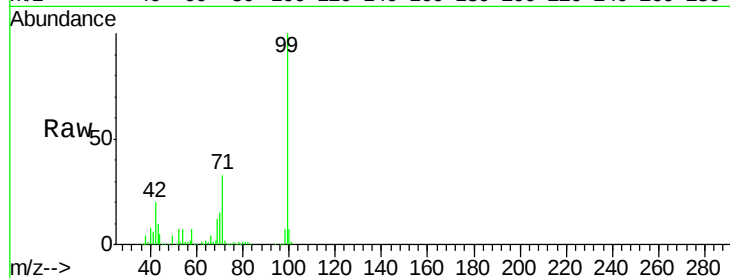
Tot Ion: 99 Resp: 639557

Ion Ratio Lower Upper

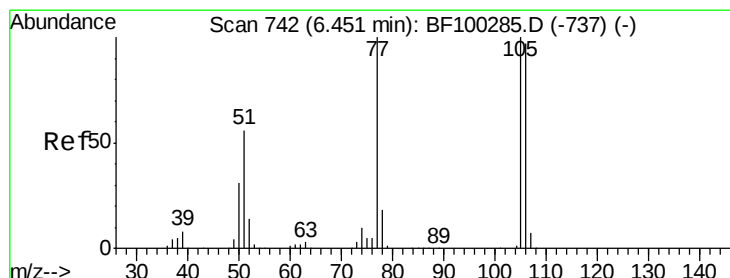
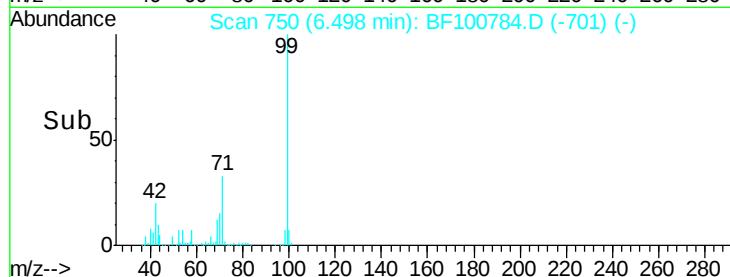
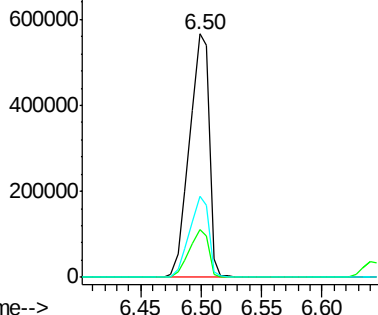
99 100

42 19.6 14.5 21.7

71 33.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.42 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

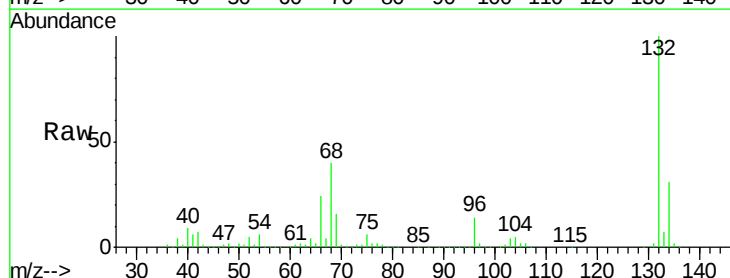
Tgt Ion: 77 Resp: 10688

Ion Ratio Lower Upper

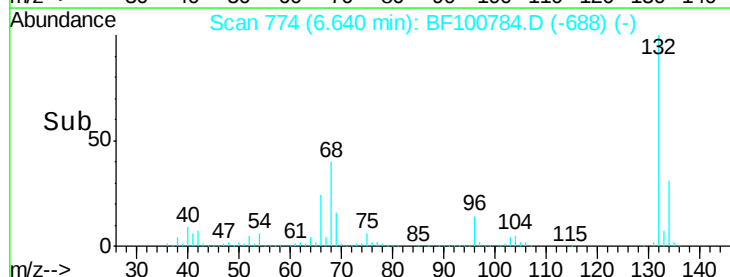
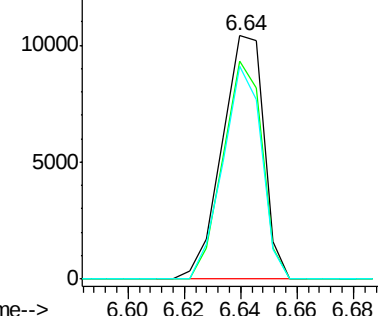
77 100

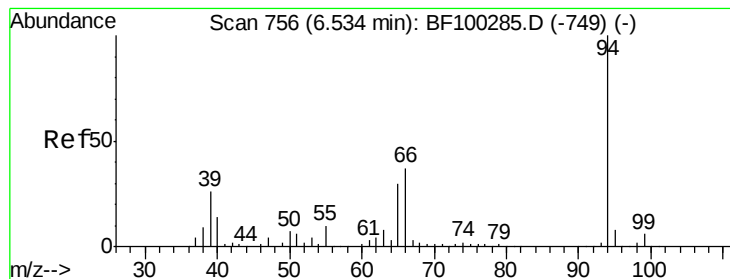
105 89.6 81.1 121.1

106 87.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.54 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampleId :

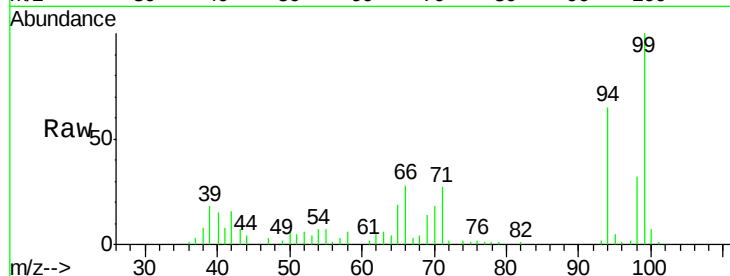
Tot Ion: 94 Resp: 16462

Ion Ratio Lower Upper

94 100

65 29.3 7.9 47.9

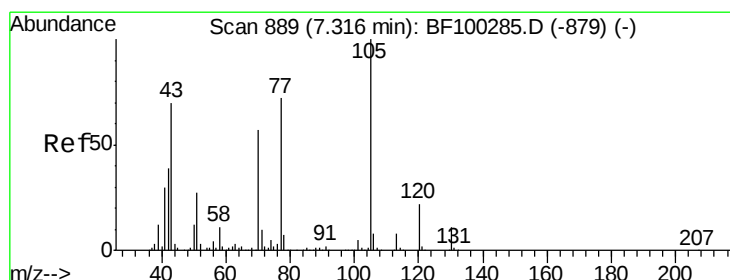
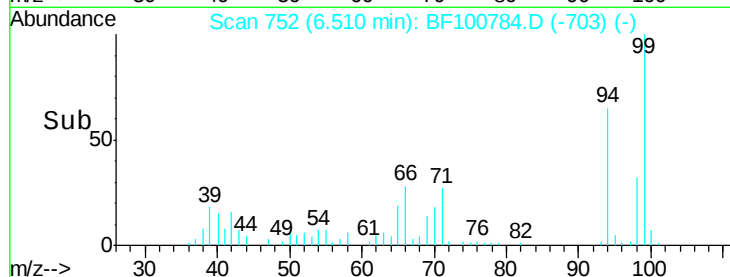
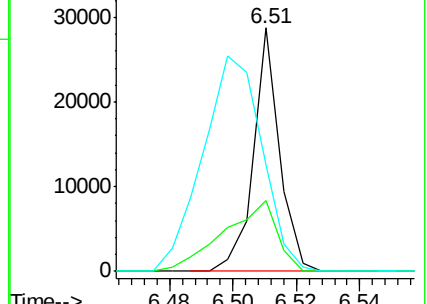
66 43.6 16.2 56.2



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: 10.90 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Tgt Ion: 70 Resp: 46687

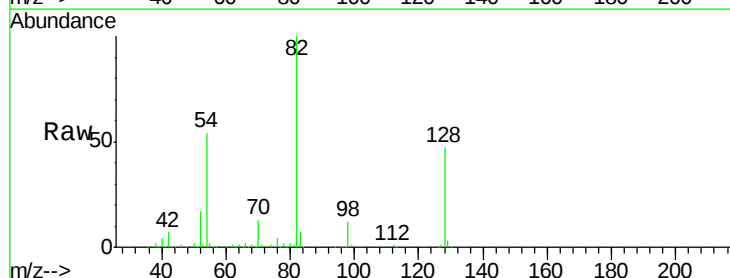
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

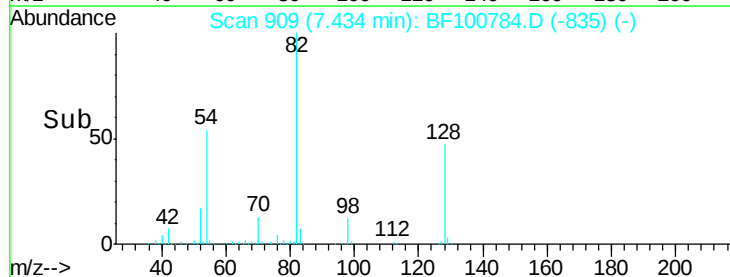
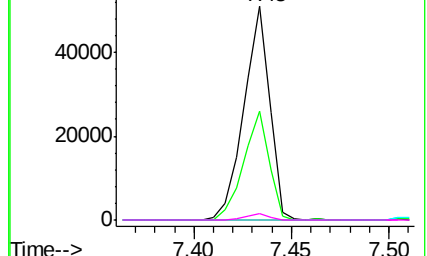


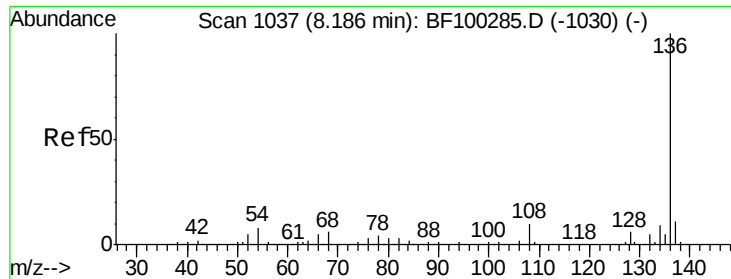
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

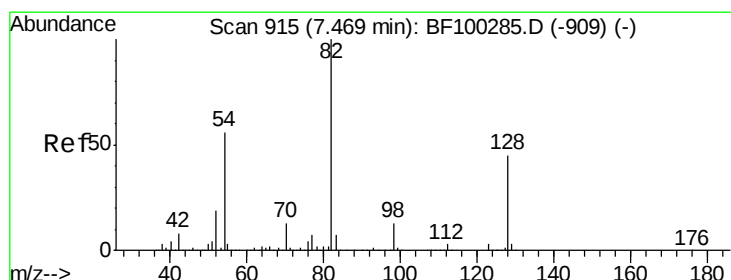
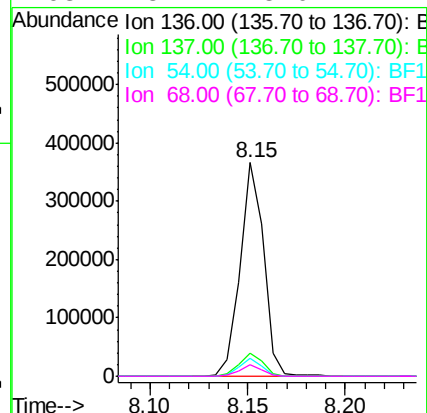
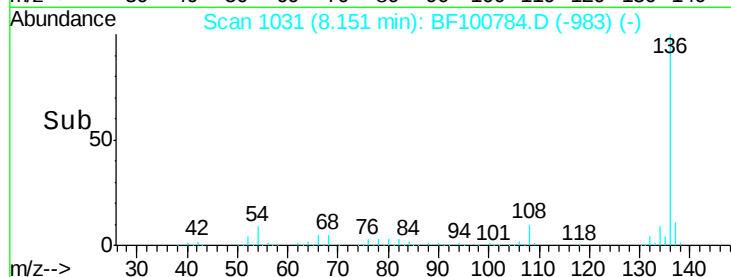
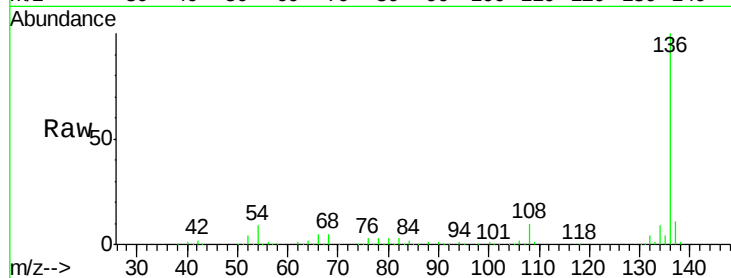




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

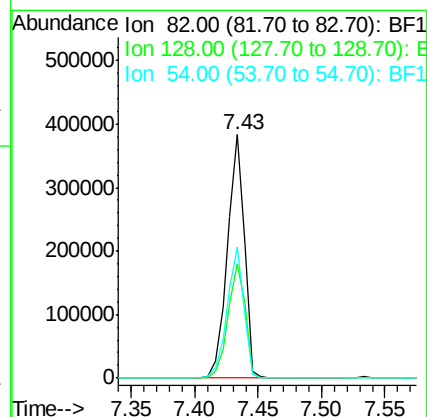
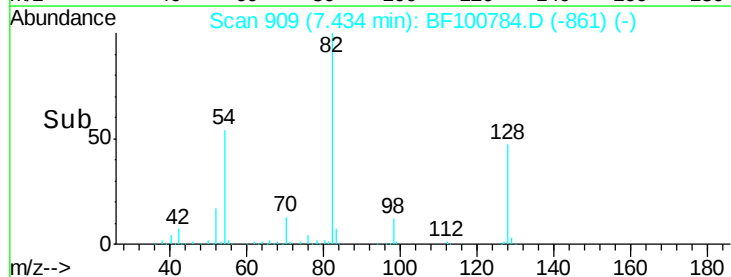
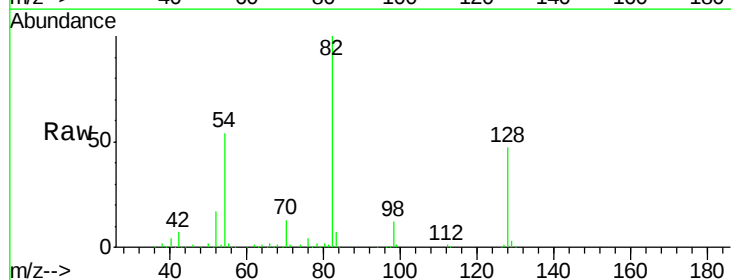
Instrument :
BNA_F
ClientSampleId :

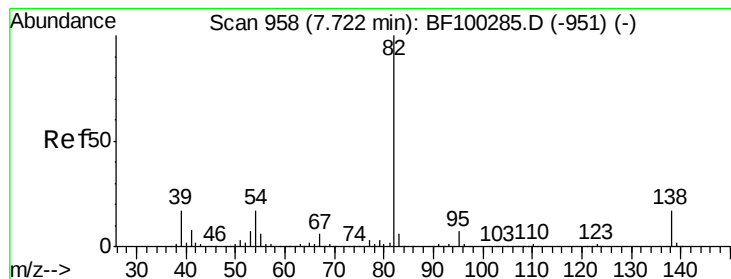
Tot Ion:136	Resp:	307760
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.5	6.6 9.8
68	5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 76.71 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Tgt Ion: 82	Resp:	357094
Ion Ratio	Lower	Upper
82	100	
128	47.2	36.1 54.1
54	53.8	41.4 62.2





#25

Isophorone

Concen: 36.50 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampled :

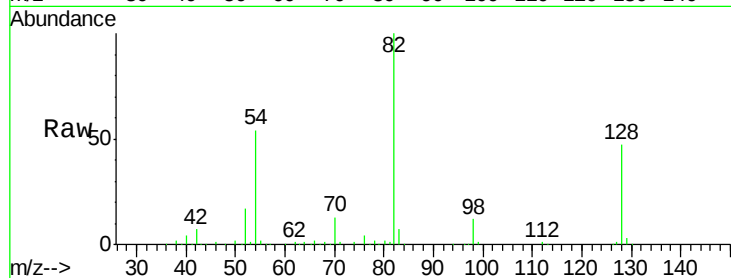
Tot Ion: 82 Resp: 357089

Ion Ratio Lower Upper

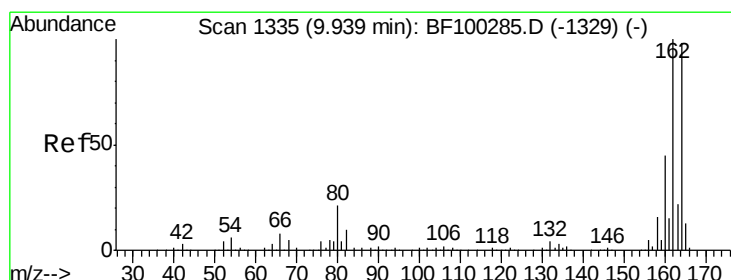
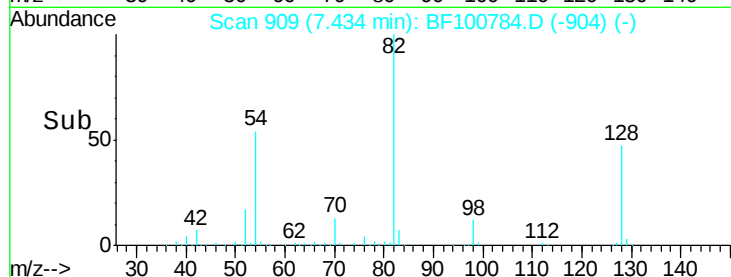
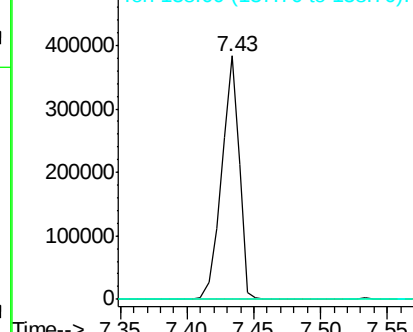
82 100

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: BF100784.D

Acq: 21 Nov 2017 16:58

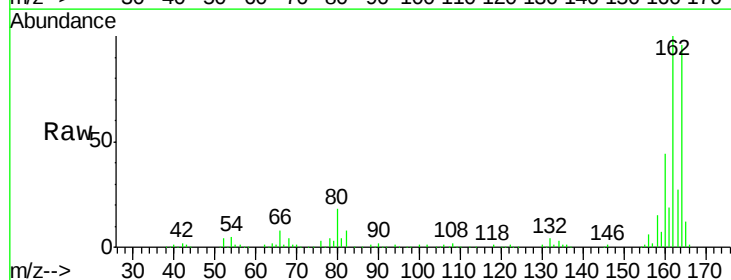
Tgt Ion: 164 Resp: 140214

Ion Ratio Lower Upper

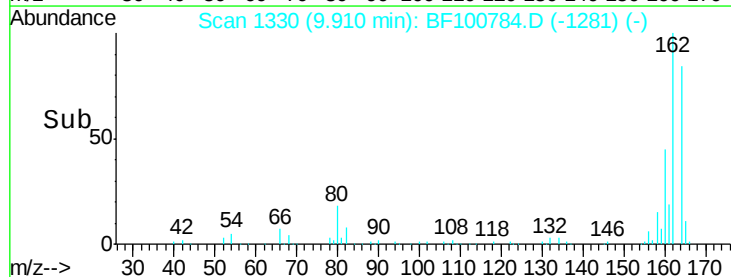
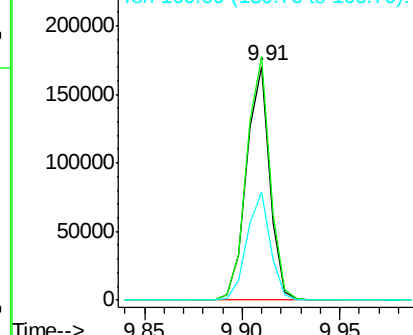
164 100

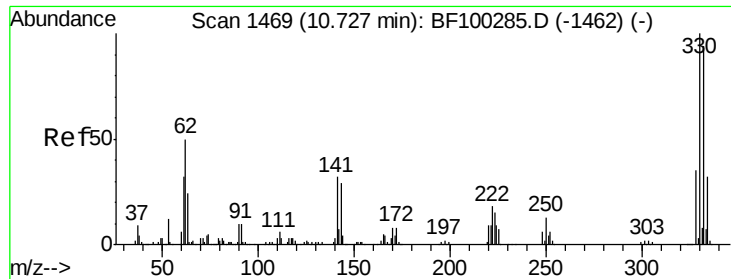
162 104.2 86.1 129.1

160 46.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

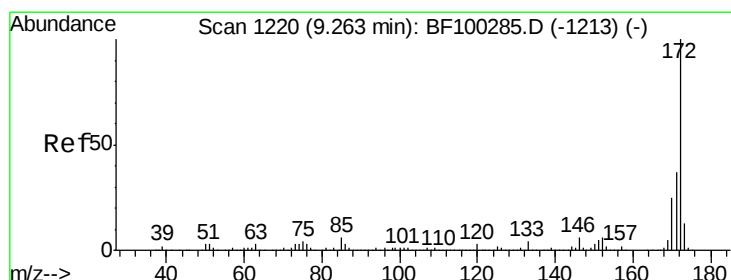
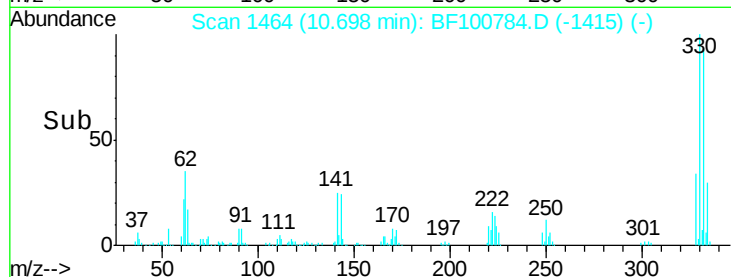
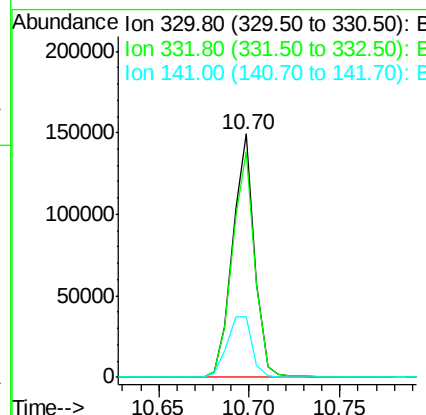
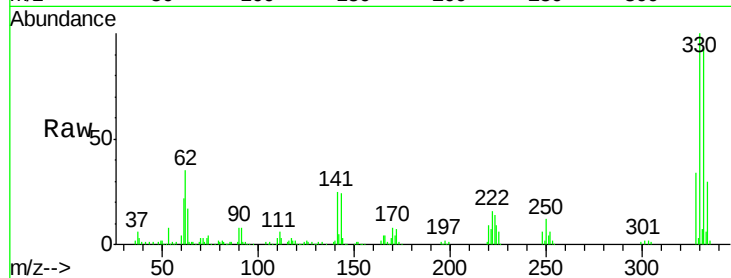




#41
 2,4,6-Tribromophenol
 Concen: 87.86 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100784.D
 Acq: 21 Nov 2017 16:58

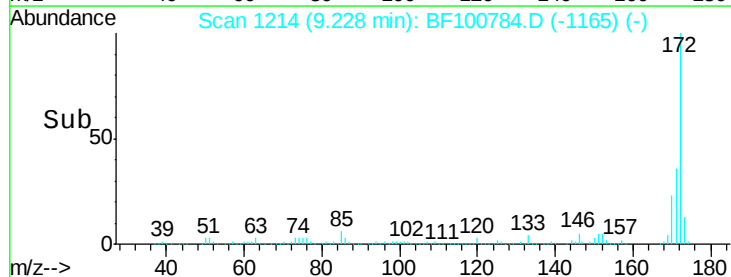
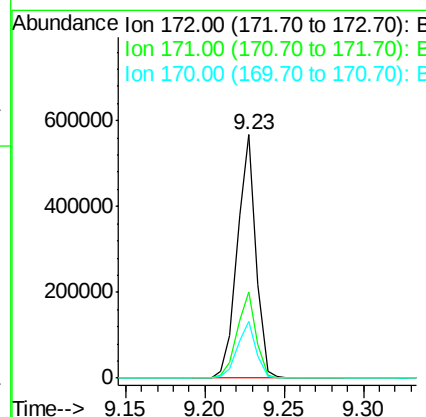
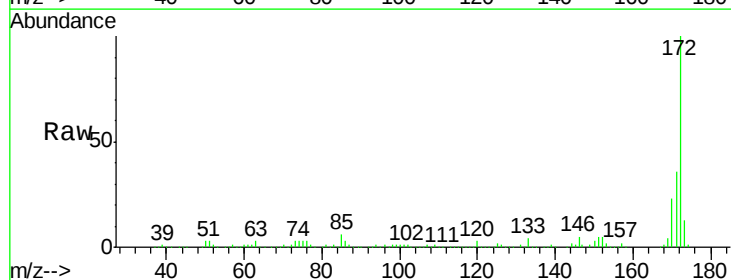
Instrument :
 BNA_F
 ClientSampleId :

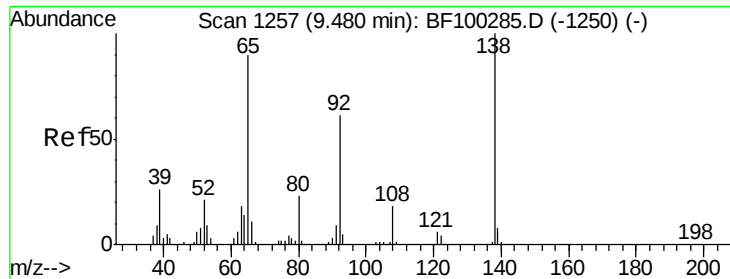
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	28.7	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 50.29 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100784.D
 Acq: 21 Nov 2017 16:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.4	19.6	29.4

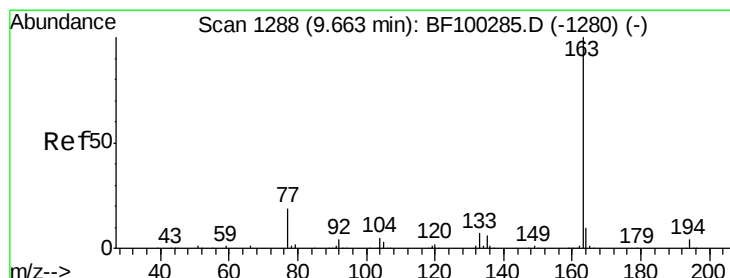
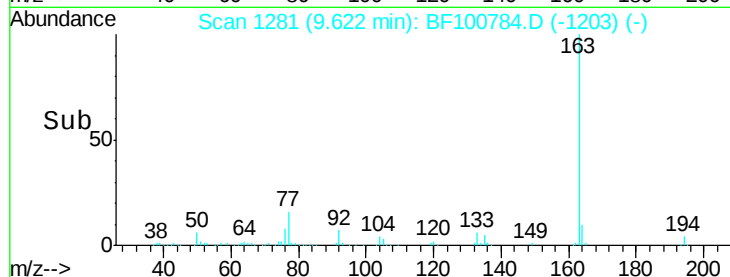
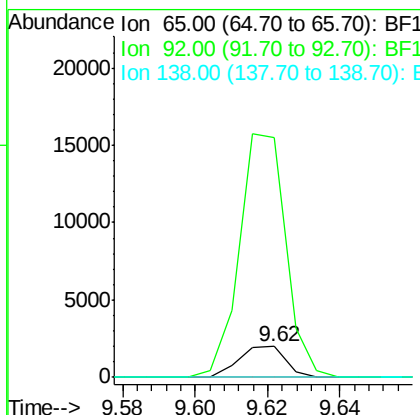
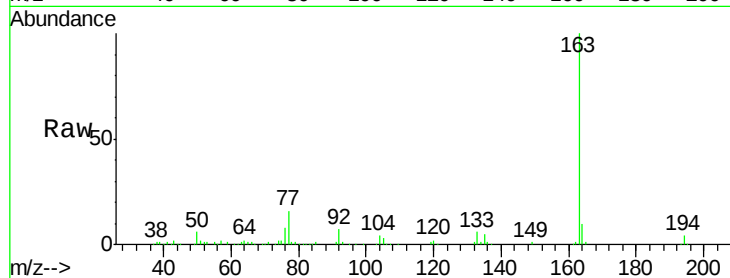




#47
2-Nitroaniline
Concen: 3.43 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.16 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

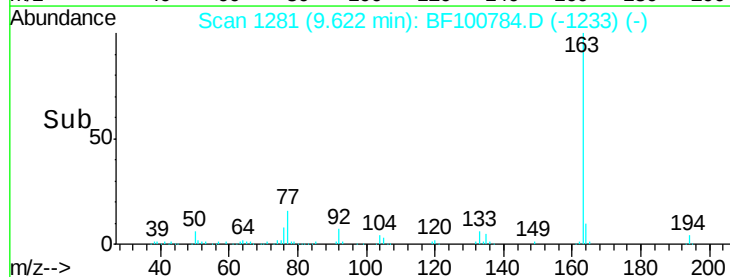
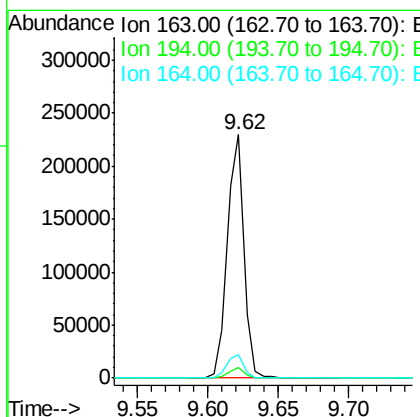
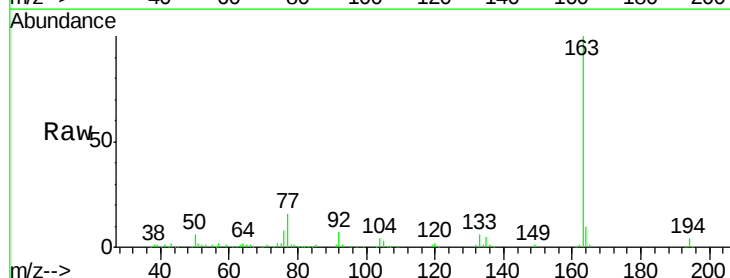
Instrument :
BNA_F
ClientSampleId :

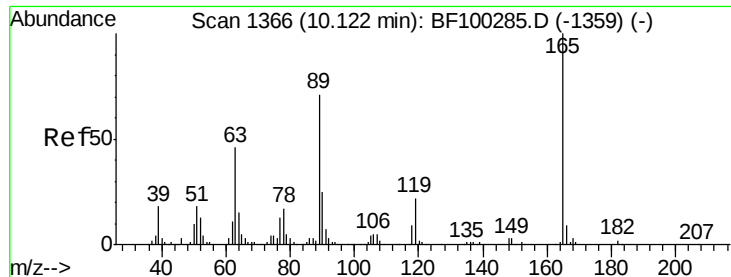
Tot Ion: 65 Resp: 1775
Ion Ratio Lower Upper
65 100
92 772.6 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 17.58 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Tgt Ion: 163 Resp: 188216
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.8 8.2 12.2

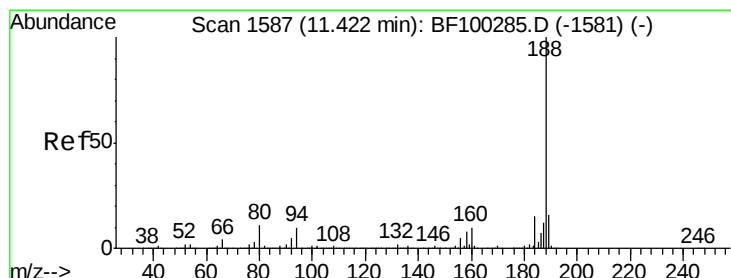
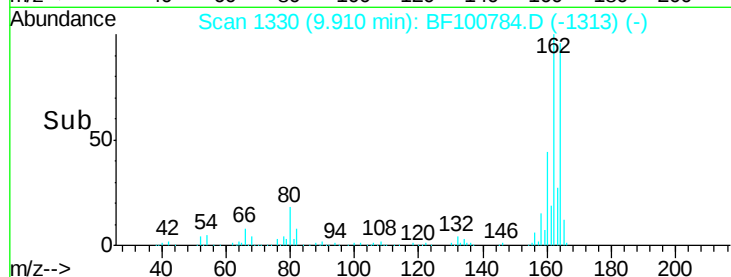
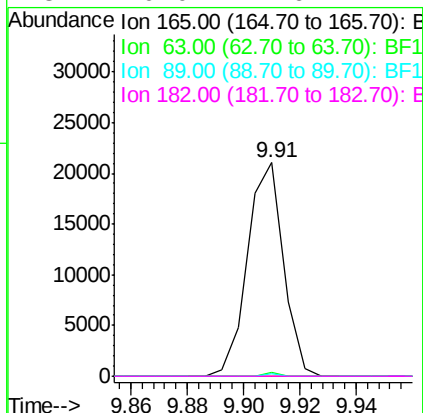
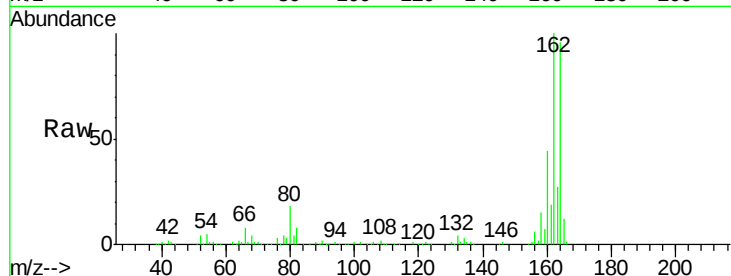




#56
2,4-Dinitrotoluene
Concen: 6.94 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

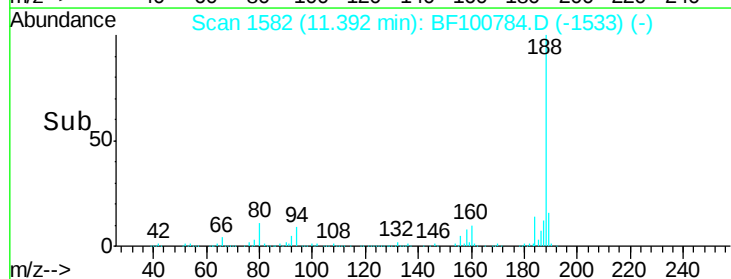
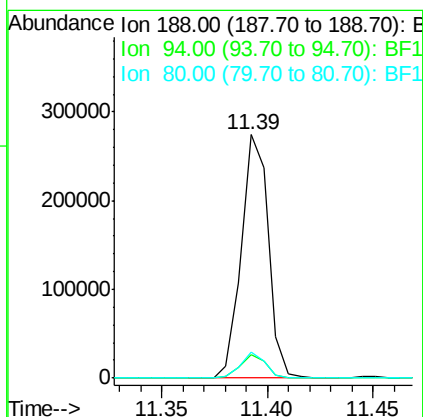
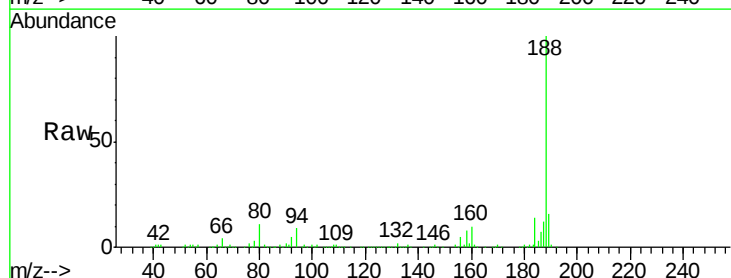
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.6	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.76 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampleId :

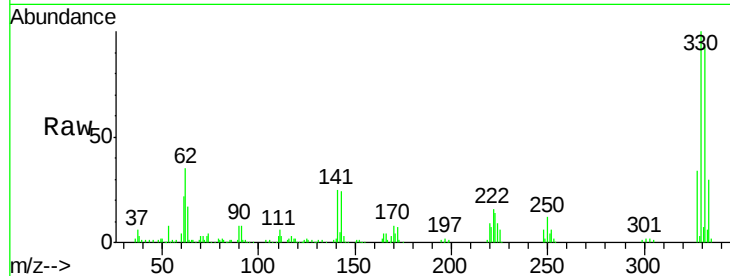
Tot Ion:198 Resp: 283

Ion Ratio Lower Upper

198 100

51 116.0 37.7 77.7#

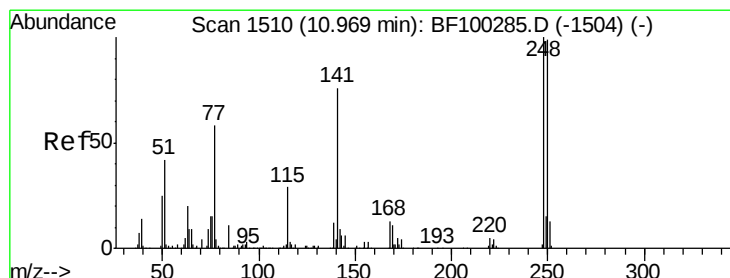
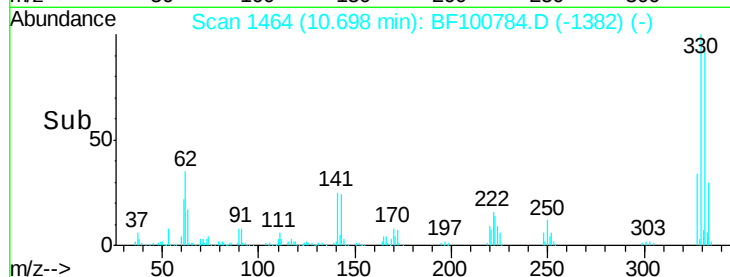
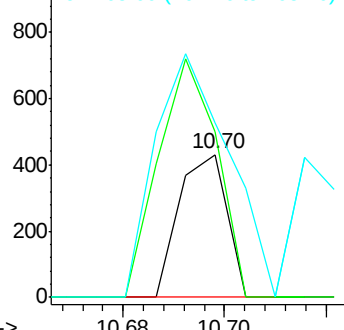
105 121.5 36.3 76.3#



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: 3.04 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

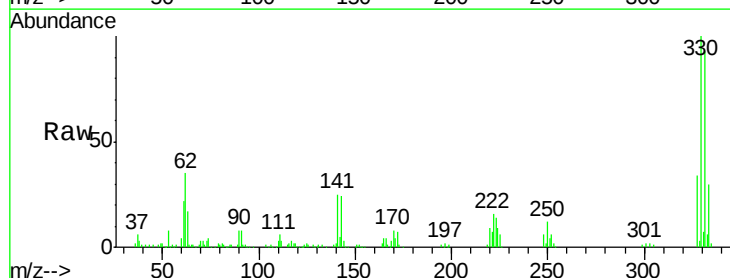
Tgt Ion:248 Resp: 7893

Ion Ratio Lower Upper

248 100

250 198.9 76.9 115.3#

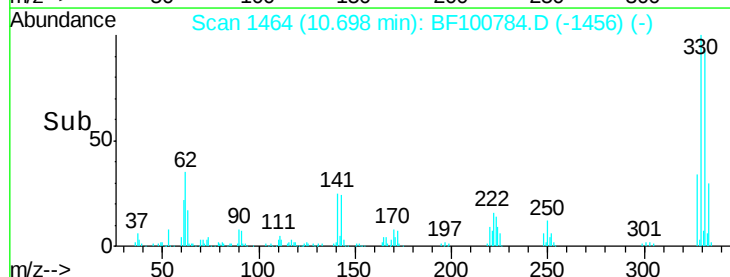
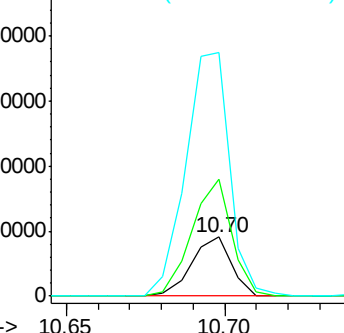
141 413.1 74.4 111.6#

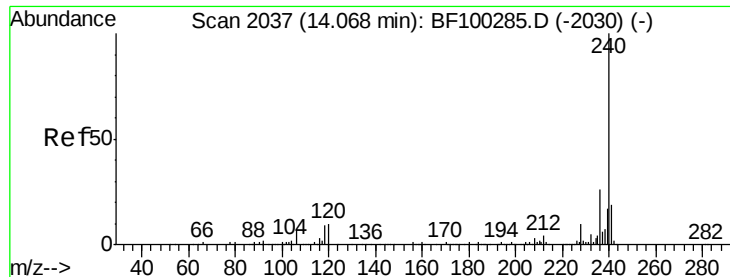


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampleId :

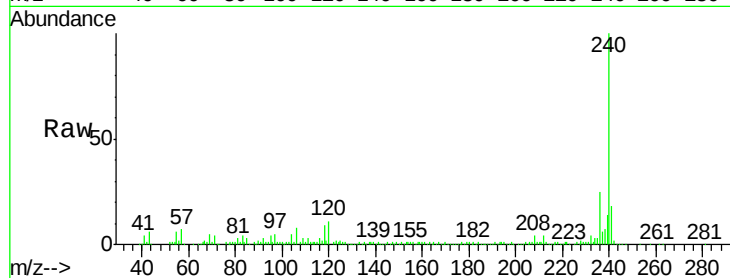
Tot Ion:240 Resp: 158582

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

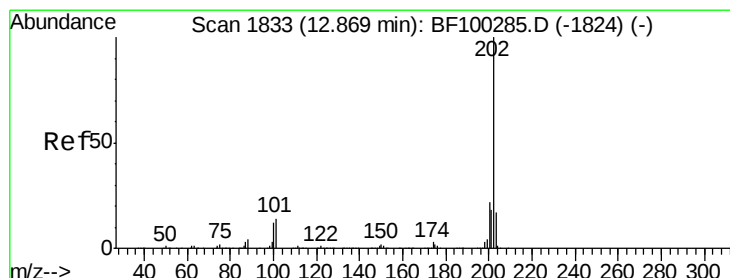
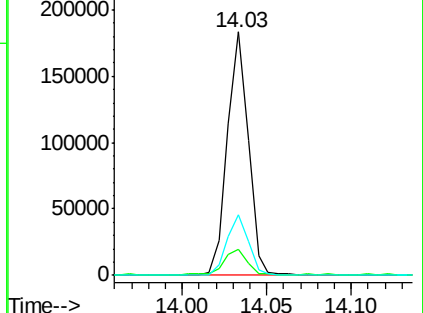
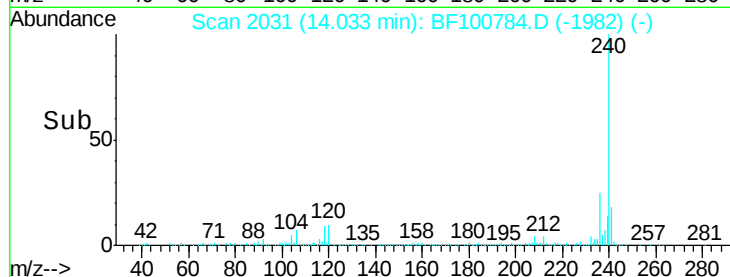
236 25.0 20.7 31.1



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: 2.06 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

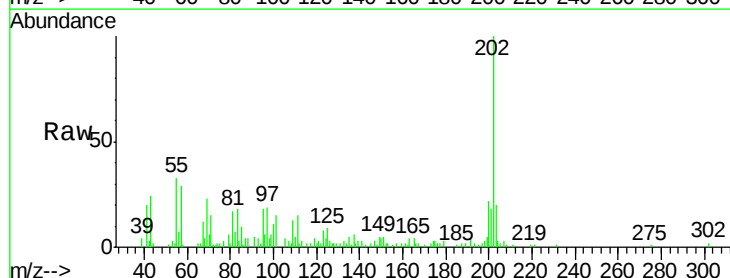
Tgt Ion:202 Resp: 23330

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

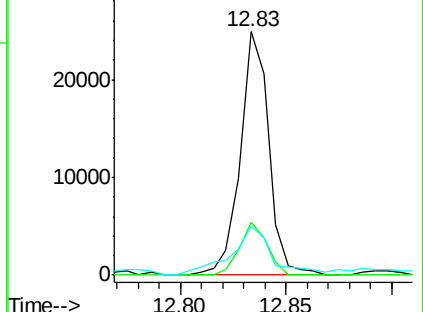
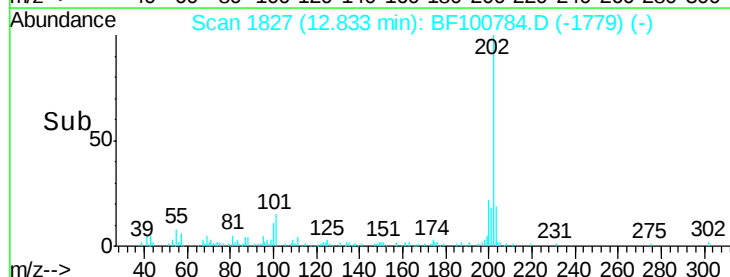
203 20.1 14.3 21.5

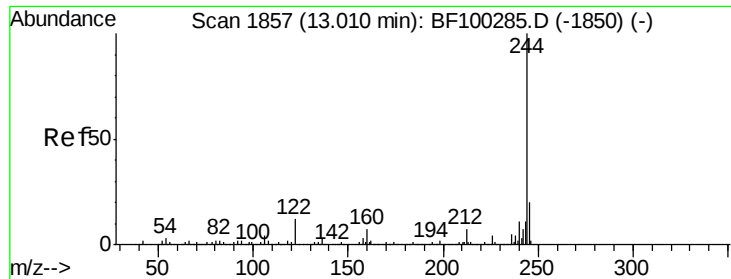


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

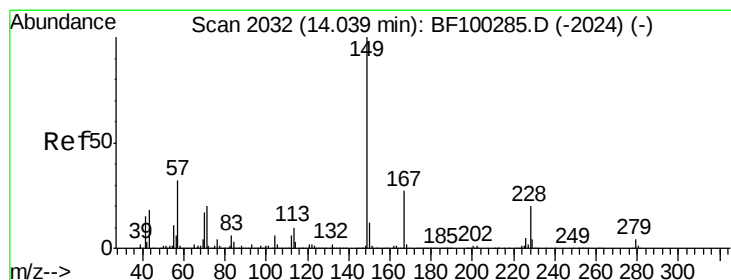
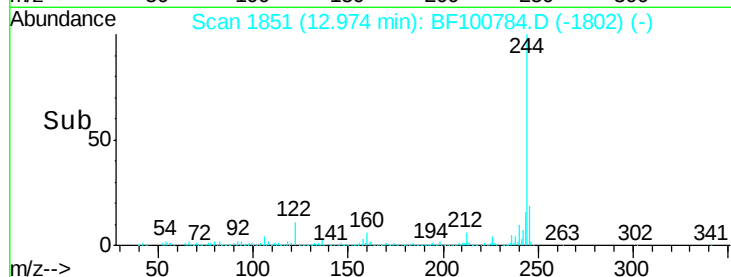
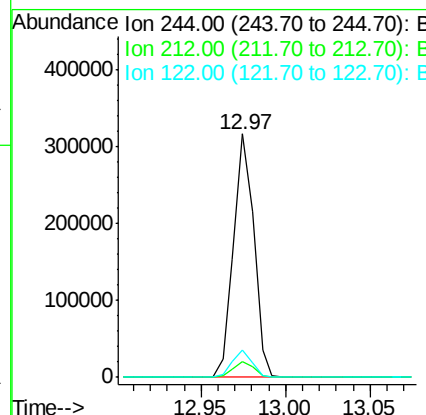
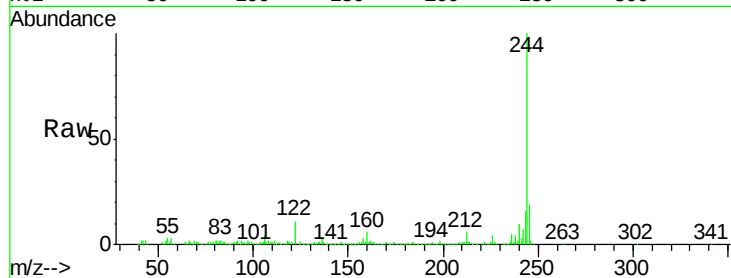




#78
 Terphenyl-d14
 Concen: 38.42 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100784.D
 Acq: 21 Nov 2017 16:58

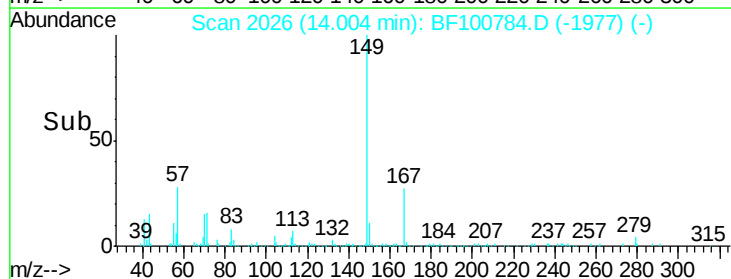
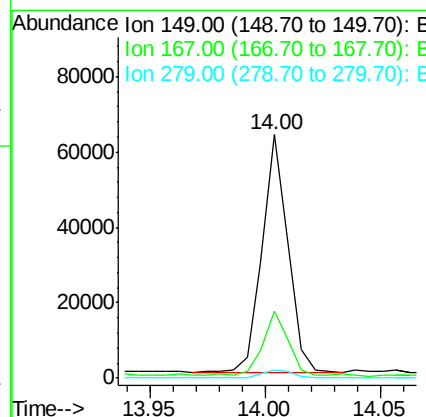
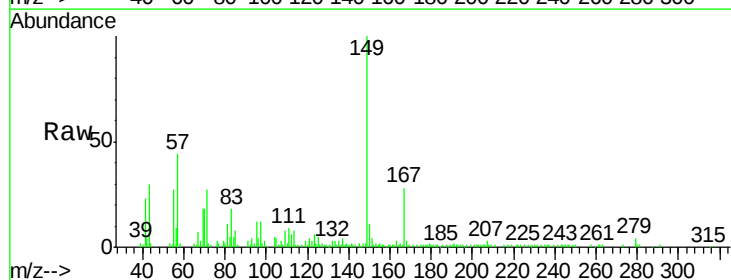
Instrument :
 BNA_F
 ClientSampleId :

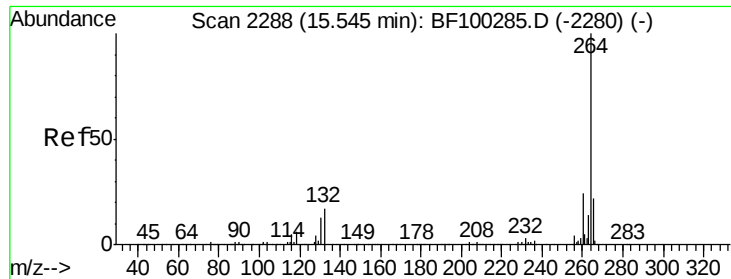
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.0	11.0	16.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.12 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF100784.D
 Acq: 21 Nov 2017 16:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.3	31.9
279	3.6	3.0	4.4

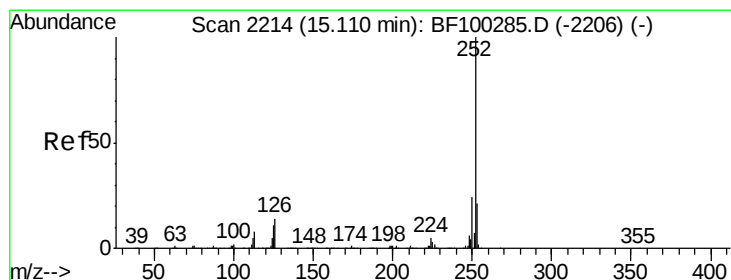
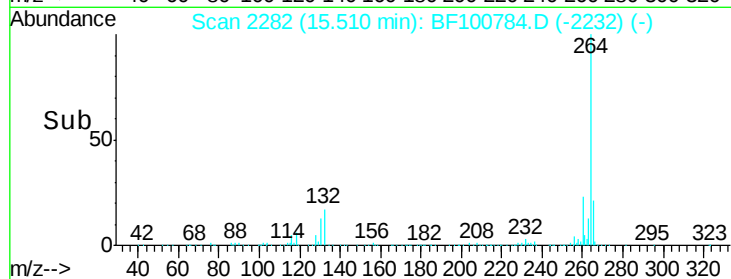
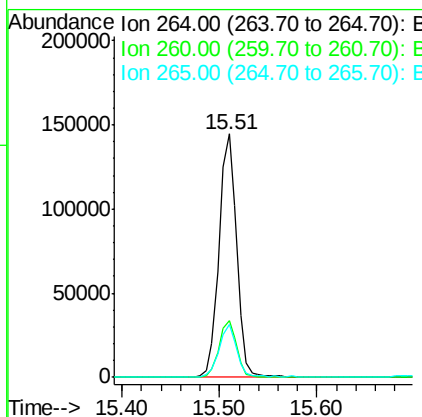
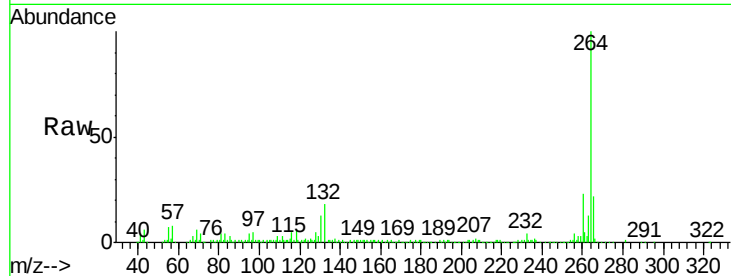




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

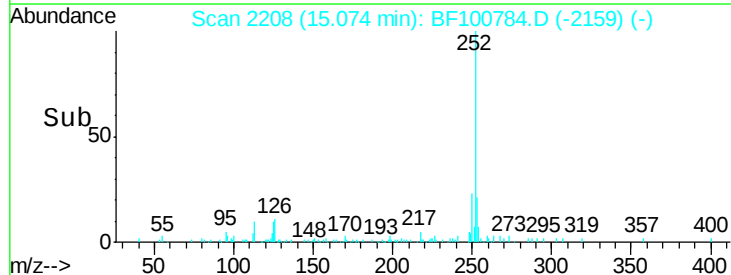
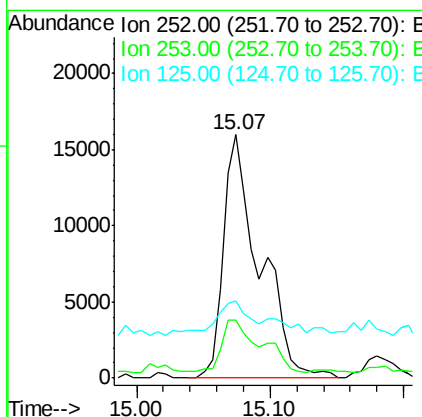
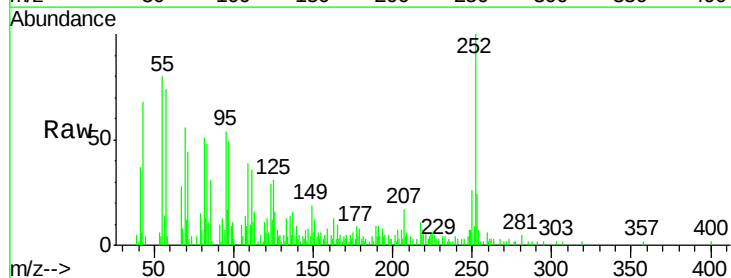
Instrument :
BNA_F
ClientSampleId :

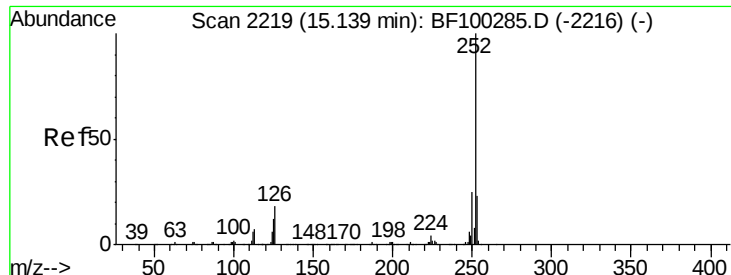
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.81 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100784.D
Acq: 21 Nov 2017 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	31.5	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.97 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF100784.D

Acq: 21 Nov 2017 16:58

Instrument :

BNA_F

ClientSampleId :

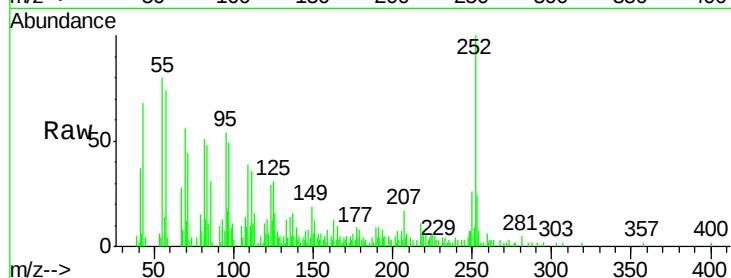
Tot Ion: 252 Resp: 30352

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 31.5 10.2 15.2



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

