

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100525.D
 Acq On : 14 Nov 2017 5:27
 Operator : SJ/JU
 Sample : I6441-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 08:41:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	134109	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	502701	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	198175	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	311390	20.00	ng	0.00
75) Chrysene-d12	14.05	240	275719	20.00	ng	-0.02
86) Perylene-d12	15.53	264	210593	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1014923	121.31	ng	0.01
7) Phenol-d6	6.52	99	1094267	106.07	ng	0.00
23) Nitrobenzene-d5	7.46	82	855711	112.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	266661	132.05	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1436362	110.37	ng	-0.01
78) Terphenyl-d14	13.00	244	1075519	89.63	ng	-0.01

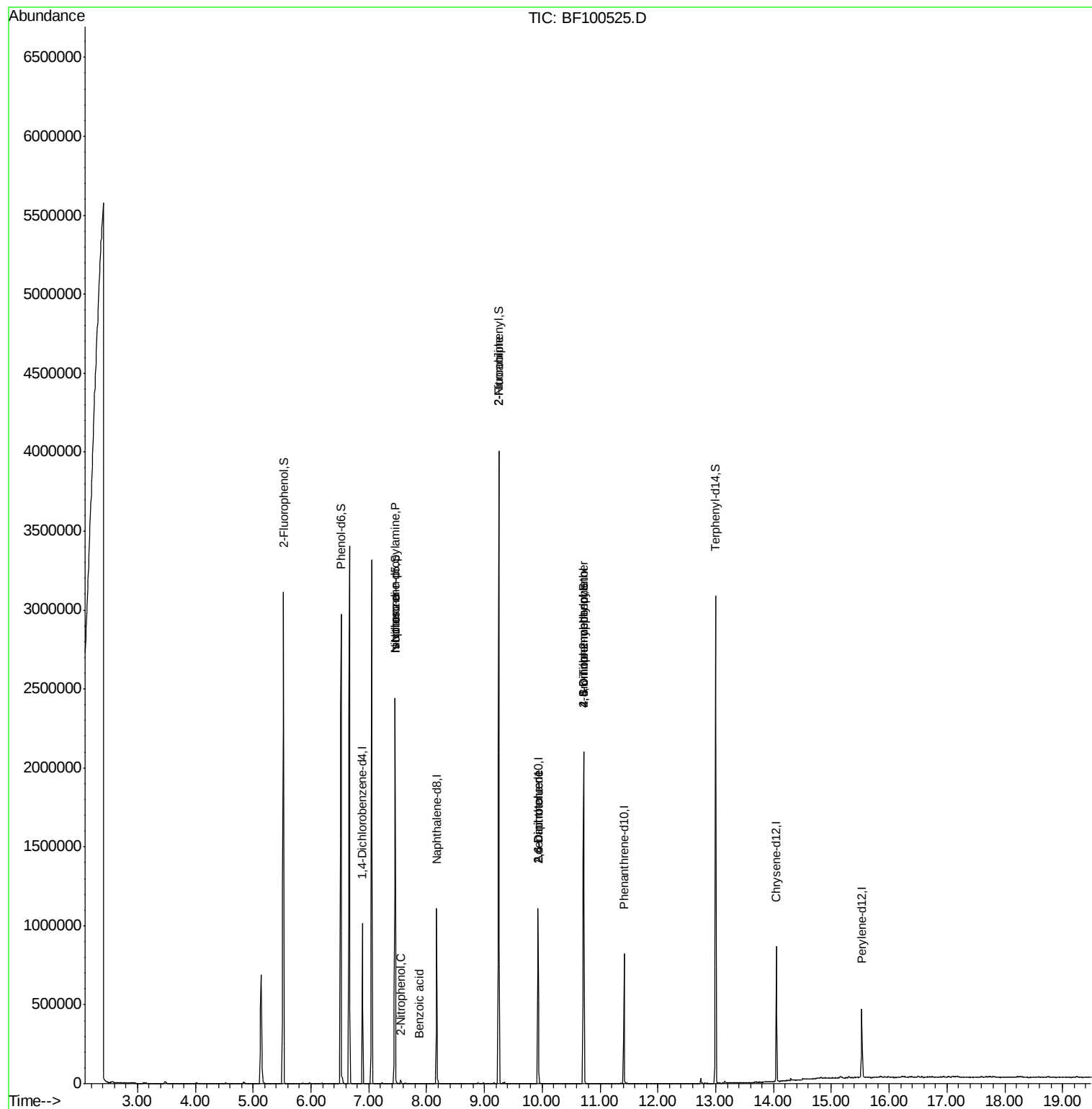
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	115009	16.07	ng	# 81
25) Isophorone	7.46	82	855703	53.55	ng	# 64
26) 2-Nitrophenol	7.55	139	136	5.41	ng	# 34
32) Benzoic acid	7.88	122	442	9.44	ng	# 1
47) 2-Nitroaniline	9.25	65	2372	3.39	ng	# 4
50) 2,6-Dinitrotoluene	9.93	165	25431	8.49	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	25431	6.73	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	472	8.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	16222	4.86	ng	# 1

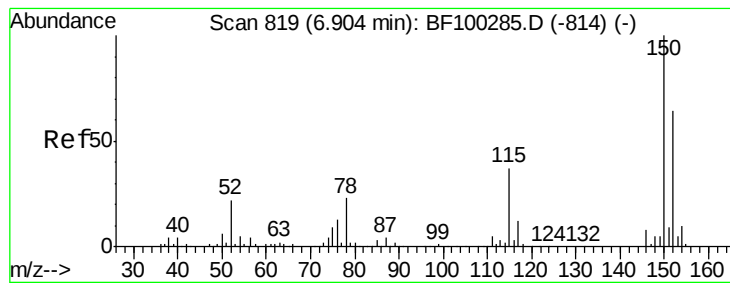
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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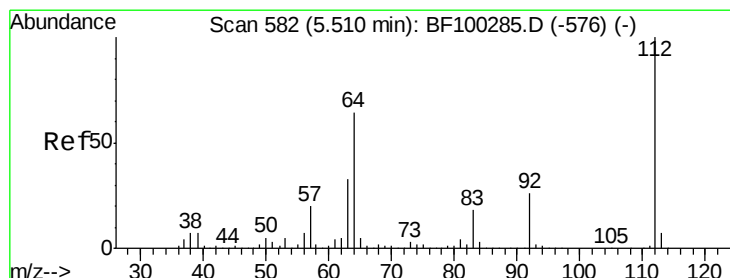
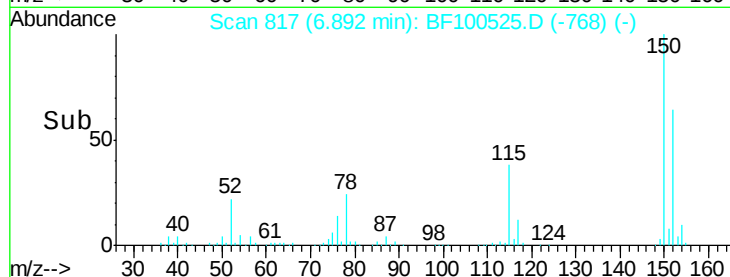
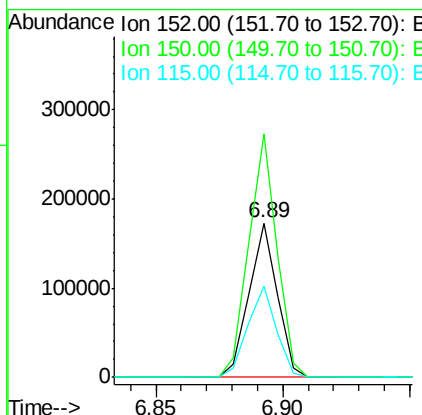
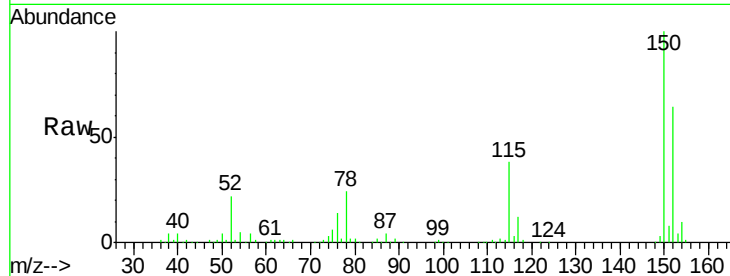




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

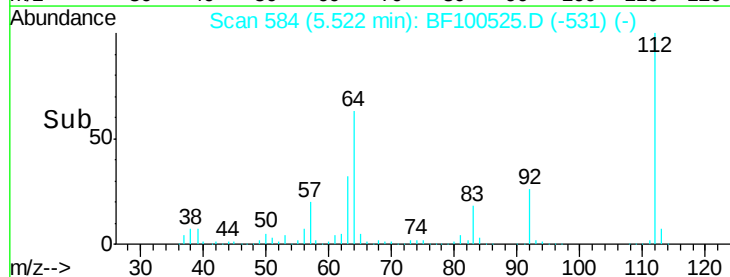
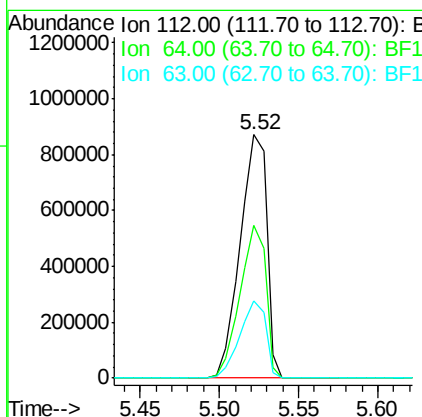
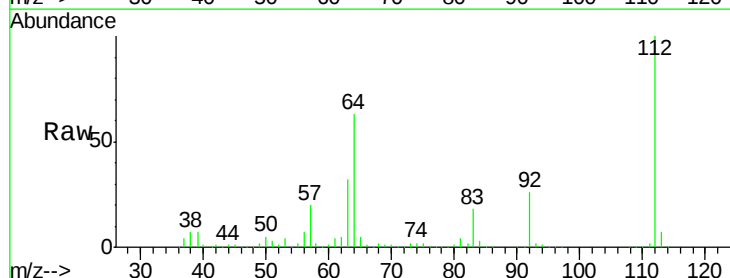
Instrument :
 BNA_F
 ClientSampleId :

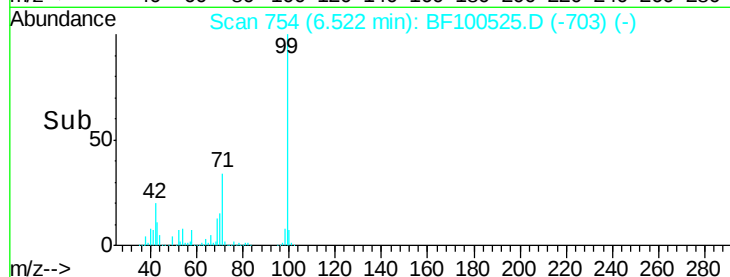
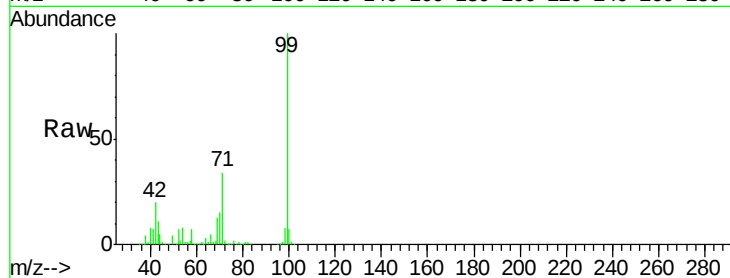
Tot Ion:152 Resp: 134109
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.6 186.8
 115 59.3 50.1 75.1



#5
 2-Fluorophenol
 Concen: 121.31 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

Tgt Ion:112 Resp: 1014923
 Ion Ratio Lower Upper
 112 100
 64 62.8 47.9 71.9
 63 31.8 23.7 35.5





#7

Phenol-d6

Concen: 106.07 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

Instrument :

BNA_F

ClientSampled :

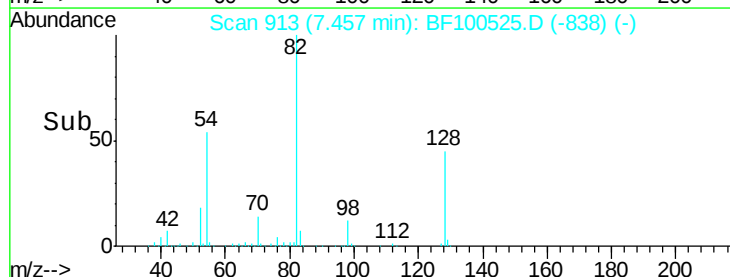
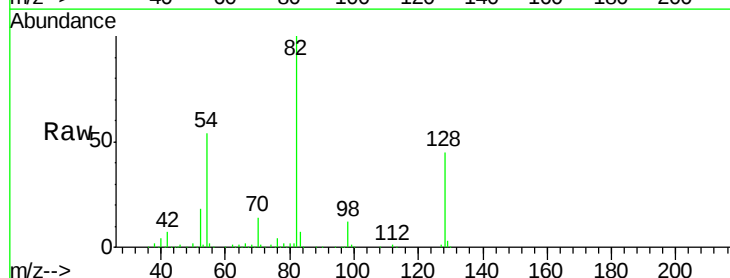
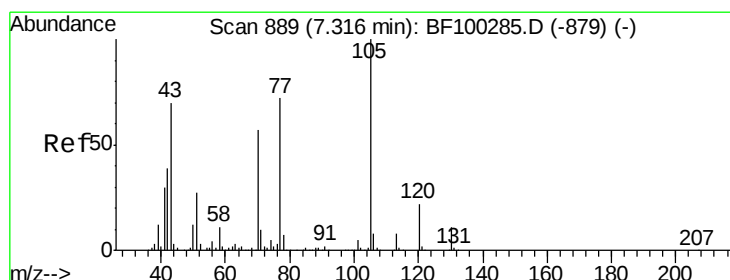
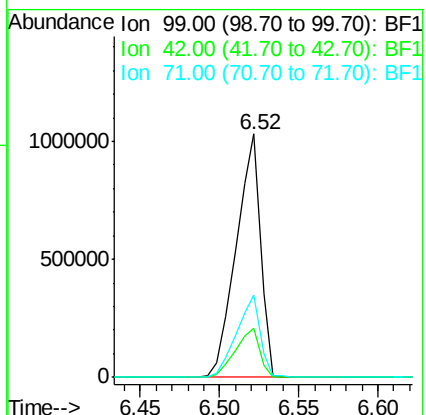
Tot Ion: 99 Resp: 1094267

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.07 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

Tgt Ion: 70 Resp: 115009

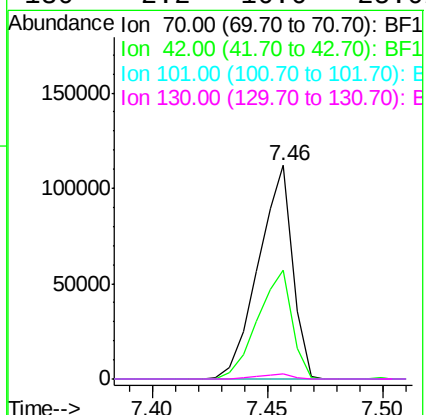
Ion Ratio Lower Upper

70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

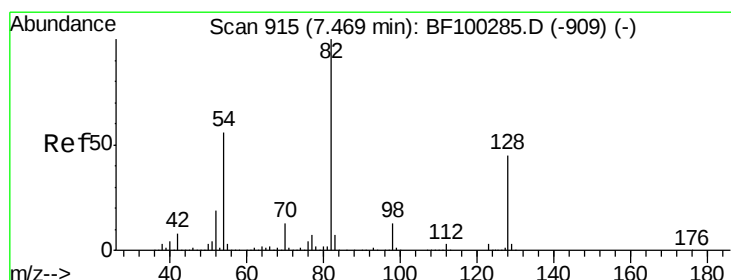
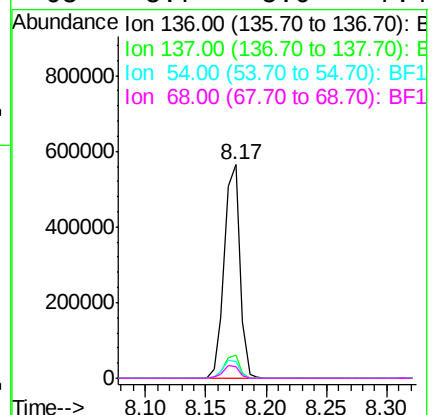
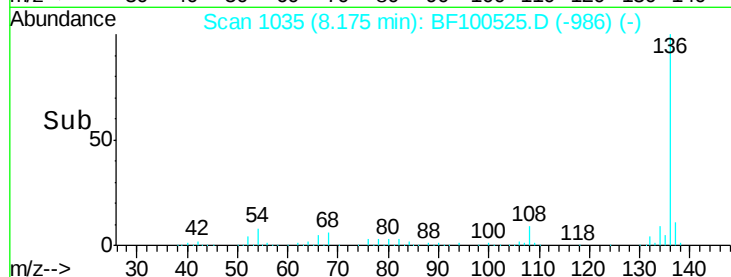
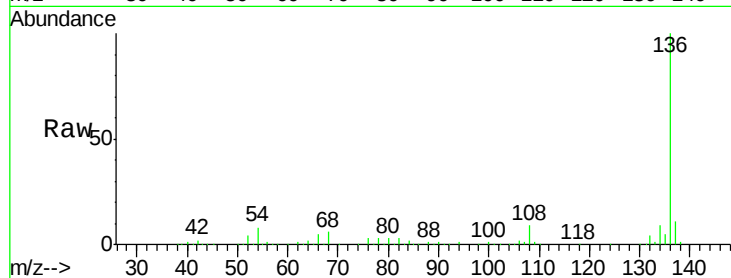




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

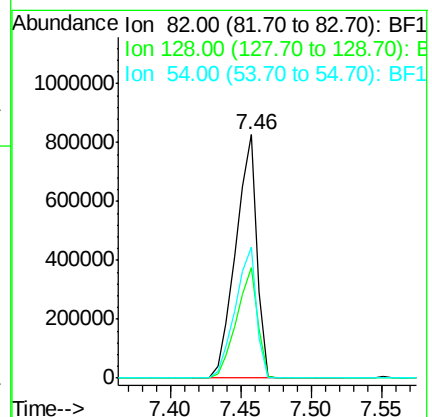
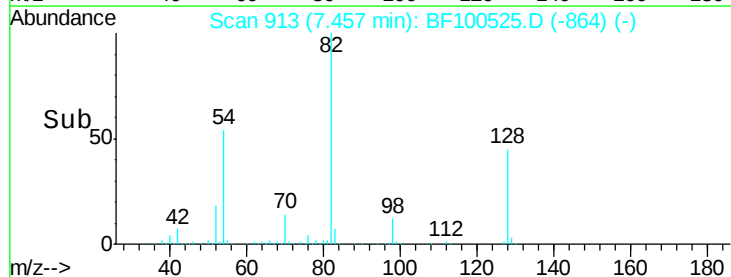
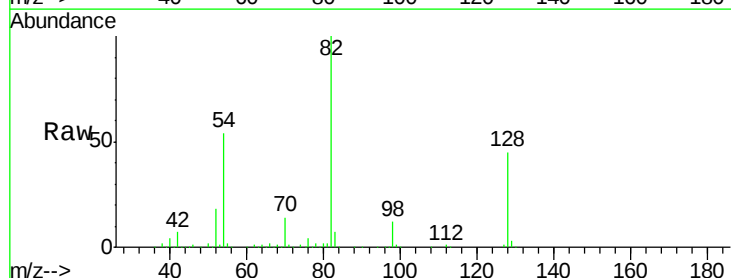
Instrument :
BNA_F
ClientSampleId :

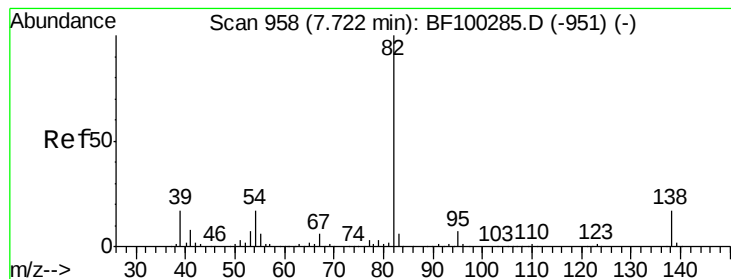
Tot Ion:136	Resp:	502701
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.1	6.6 9.8
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 112.54 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

Tgt Ion: 82	Resp:	855711
Ion Ratio	Lower	Upper
82	100	
128	45.4	36.1 54.1
54	54.0	41.4 62.2





#25

Isophorone

Concen: 53.55 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

Instrument :

BNA_F

ClientSampleId :

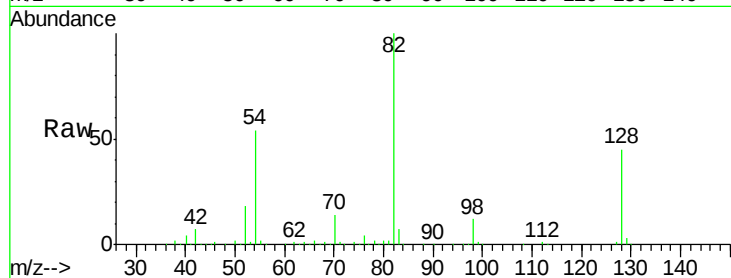
Tot Ion: 82 Resp: 855703

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

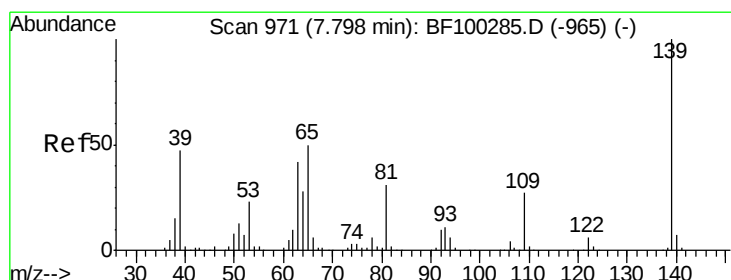
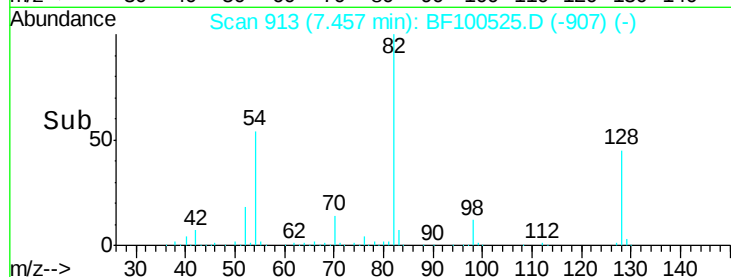
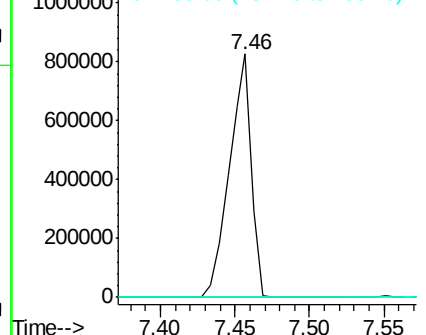
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 5.41 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.25 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

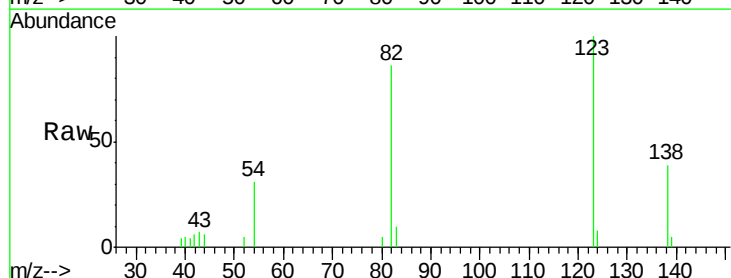
Tgt Ion: 139 Resp: 136

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

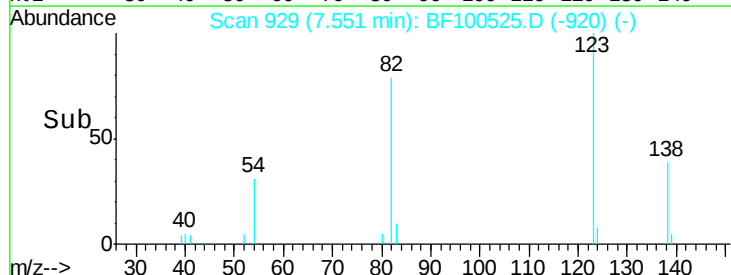
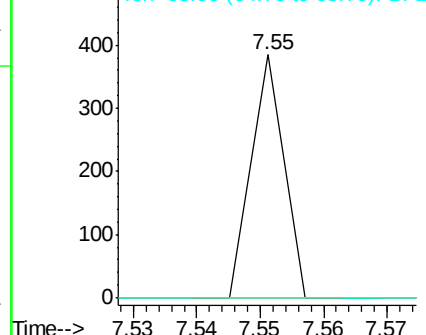
65 0.0 40.5 60.7#

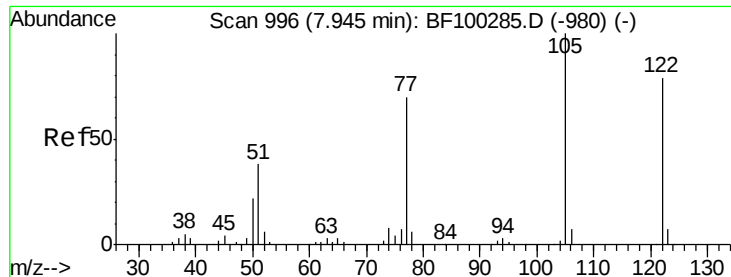


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 9.44 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.06 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

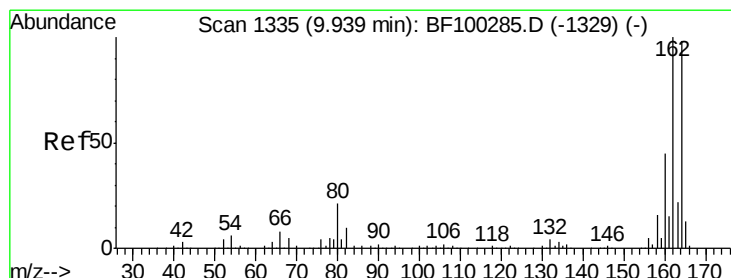
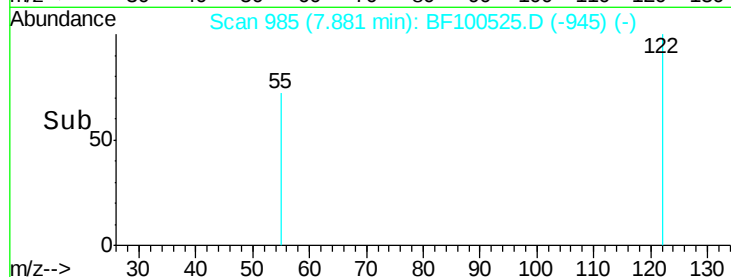
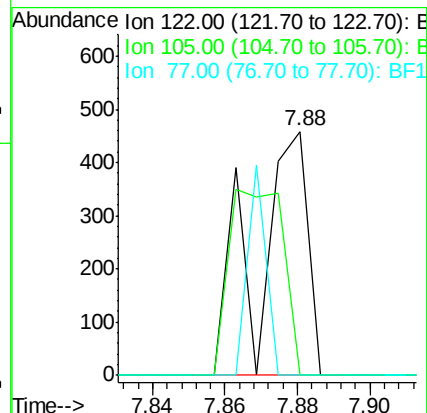
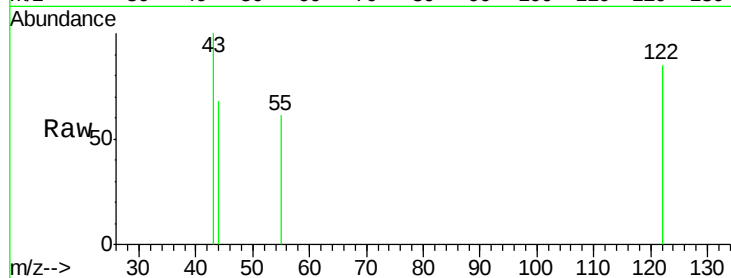
Instrument :

BNA_F

ClientSampleId :

Tot Ion:122 Resp: 442

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 1333

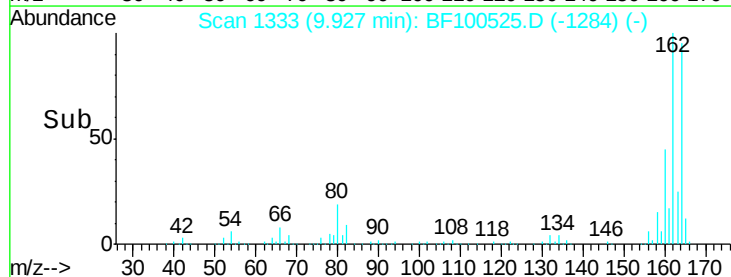
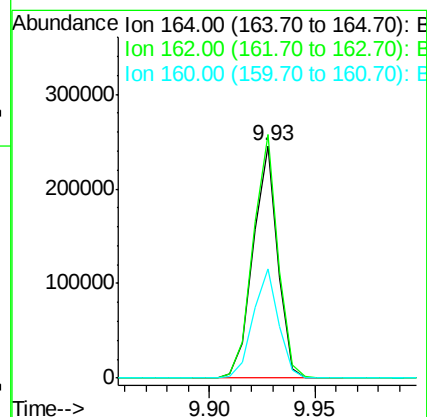
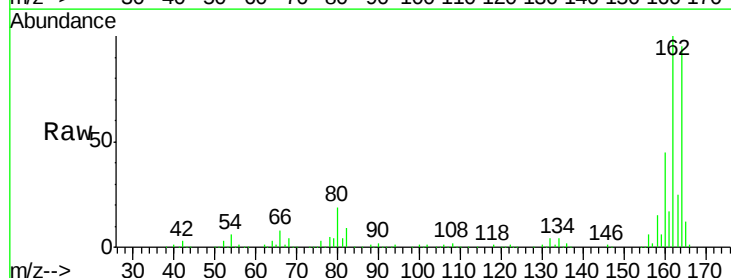
Delta R.T. -0.01 min

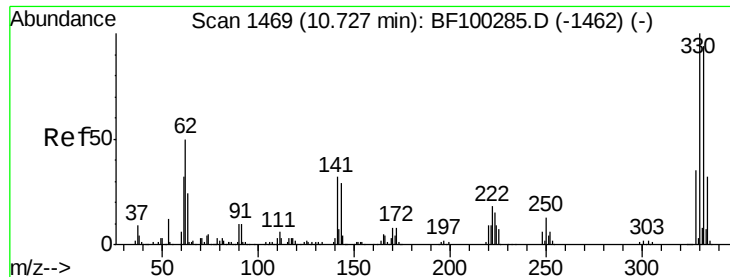
Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

Tgt Ion:164 Resp: 198175

Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	46.9	38.3	57.5

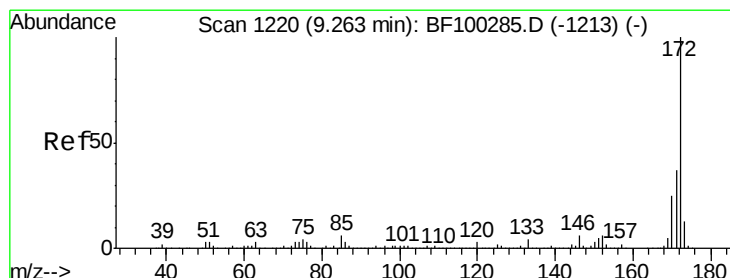
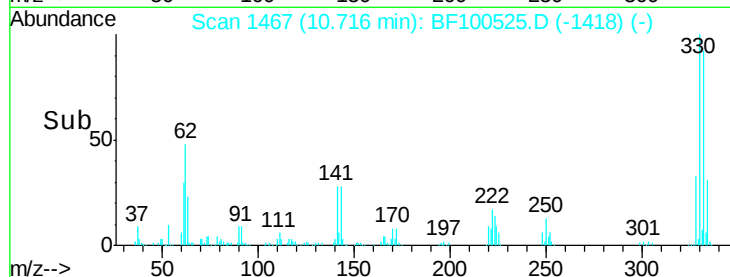
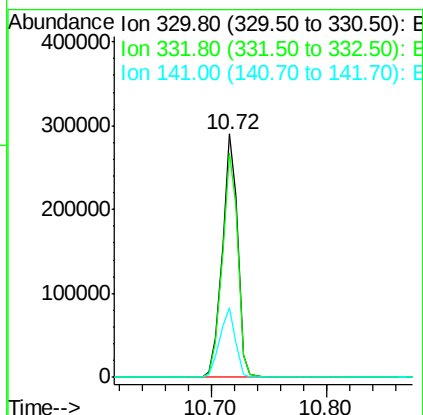
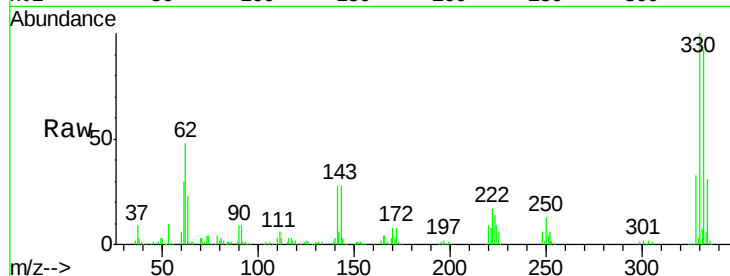




#41
 2,4,6-Tribromophenol
 Concen: 132.05 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

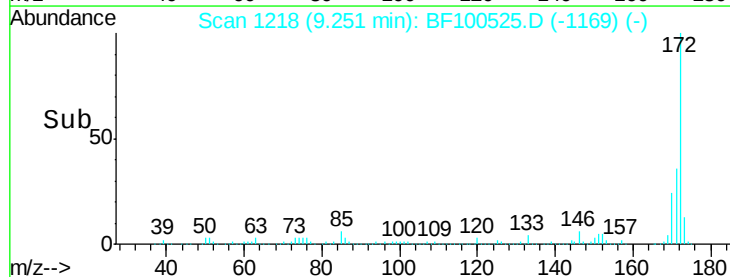
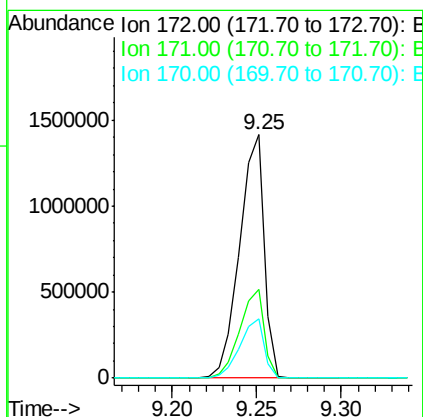
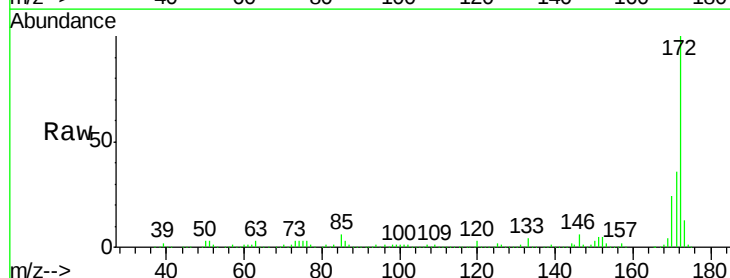
Instrument :
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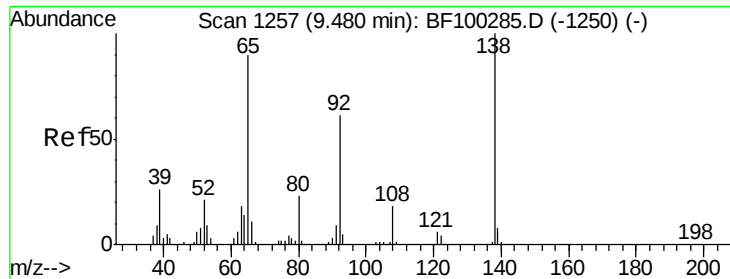
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	29.0	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 110.37 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4

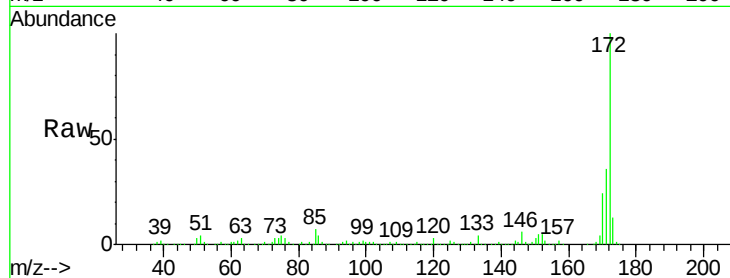




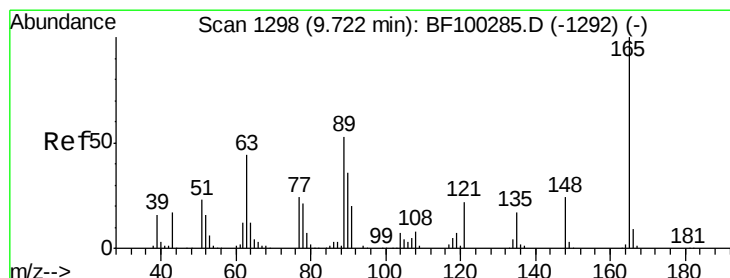
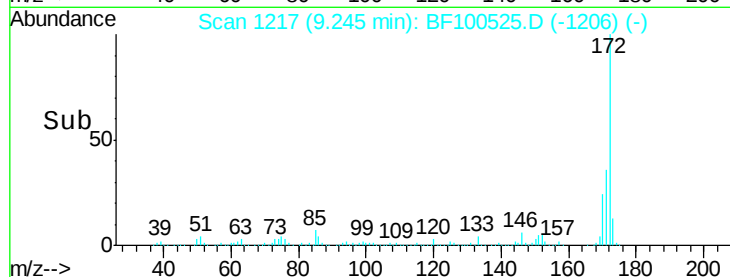
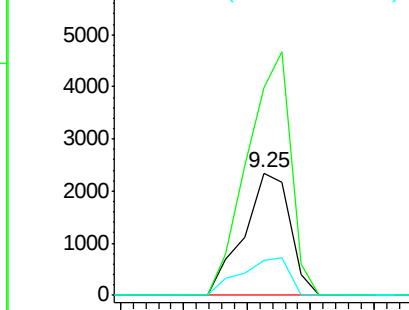
#47
2-Nitroaniline
Concen: 3.39 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.24 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 2372
Ion Ratio Lower Upper
65 100
92 169.7 55.8 83.6#
138 28.2 91.2 136.8#

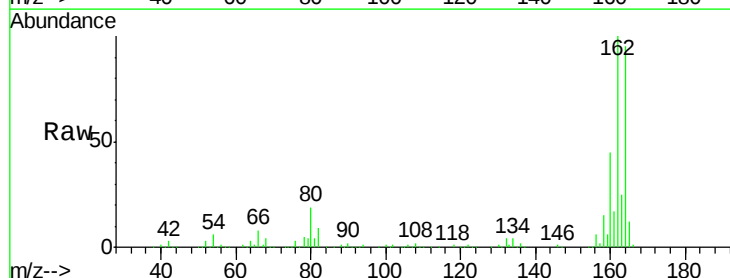


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

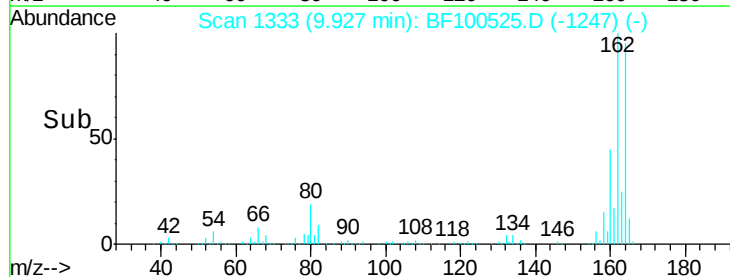
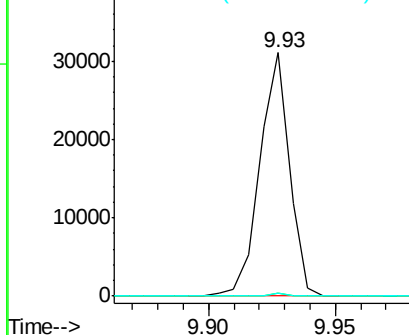


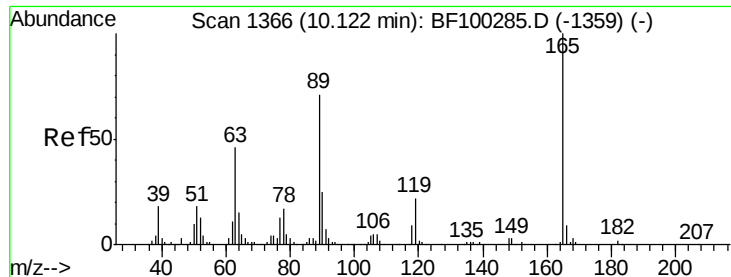
#50
2,6-Dinitrotoluene
Concen: 8.49 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.21 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

Tgt Ion:165 Resp: 25431
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.4 44.0 66.0#



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

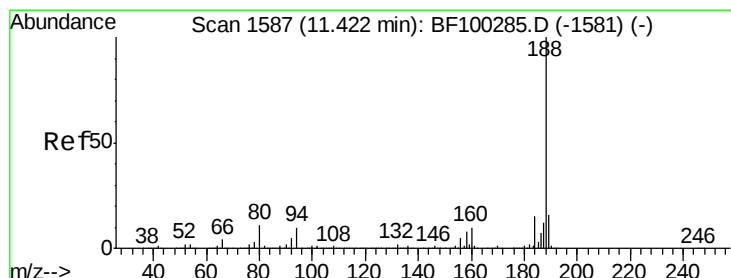
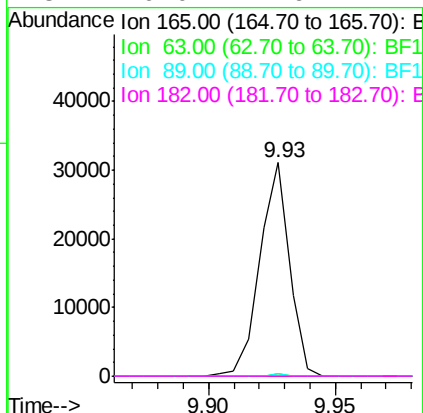
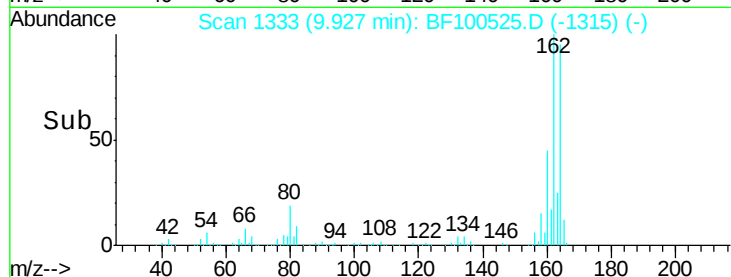
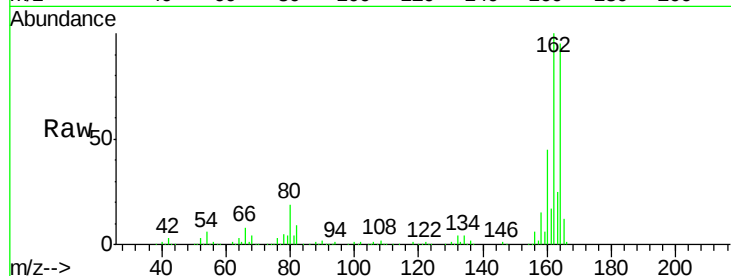




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

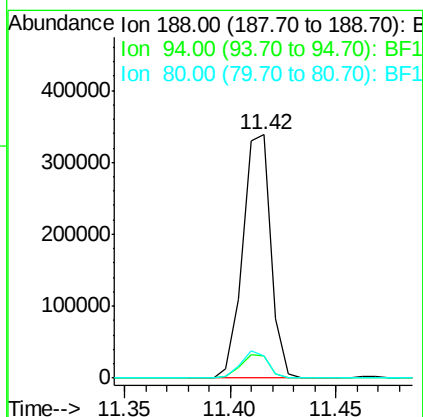
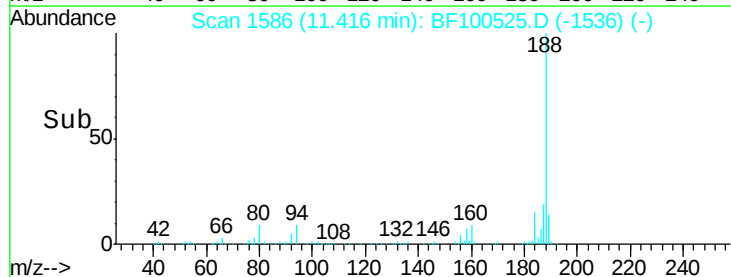
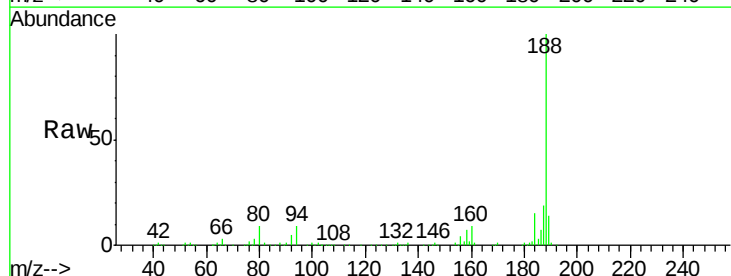
Instrument :
 BNA_F
 ClientSampleId :

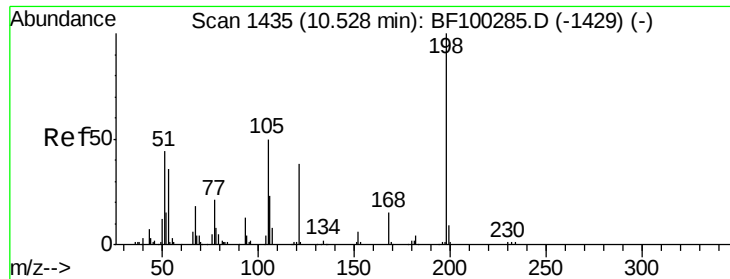
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.2	9.2	13.8

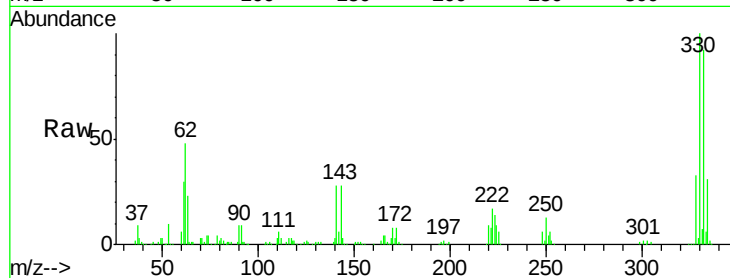




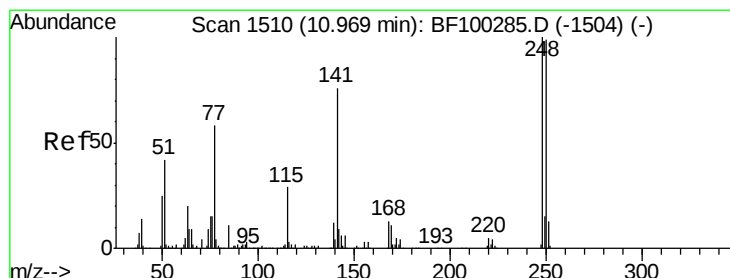
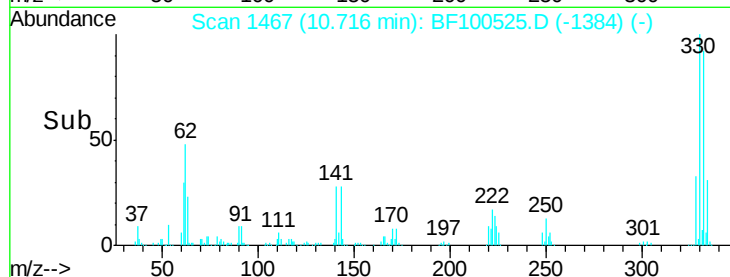
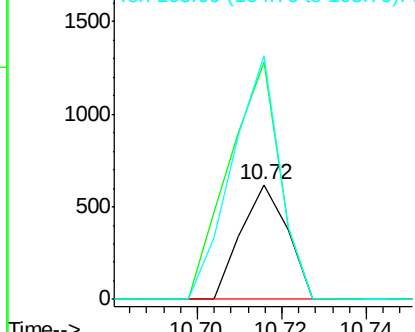
#64
4,6-Dinitro-2-methylphenol
Concen: 8.82 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 472
Ion Ratio Lower Upper
198 100
51 206.8 37.7 77.7#
105 211.9 36.3 76.3#

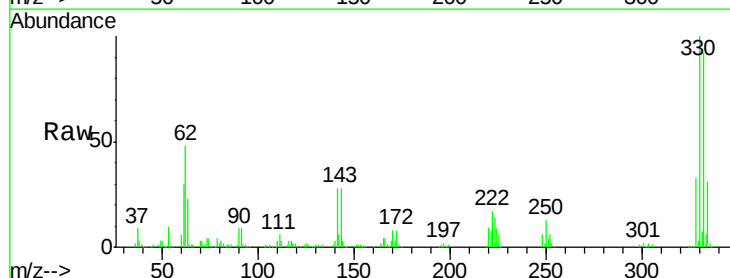


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

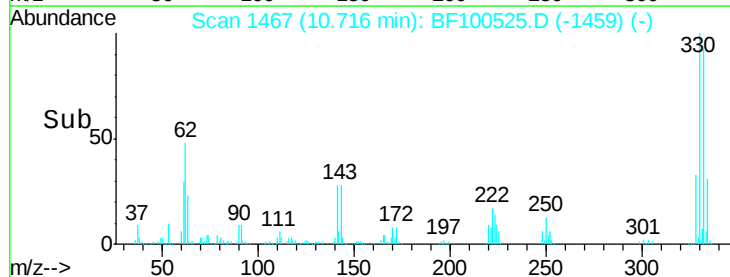
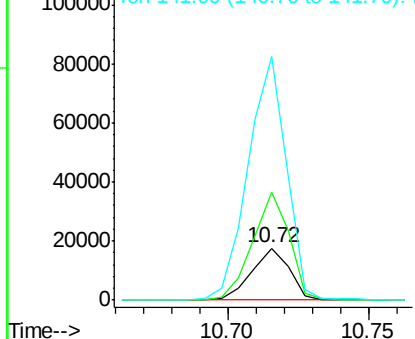


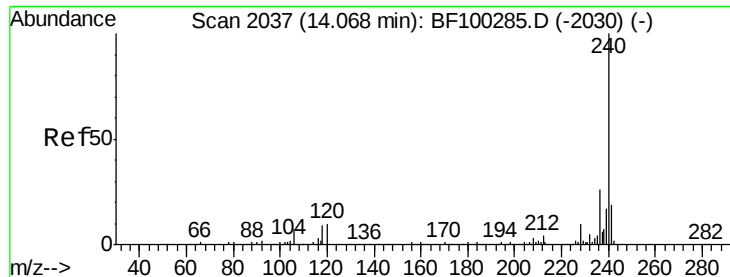
#66
4-Bromophenyl-phenylether
Concen: 4.86 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF100525.D
Acq: 14 Nov 2017 5:27

Tgt Ion:248 Resp: 16222
Ion Ratio Lower Upper
248 100
250 207.2 76.9 115.3#
141 468.3 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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

Instrument :

BNA_F

ClientSampleId :

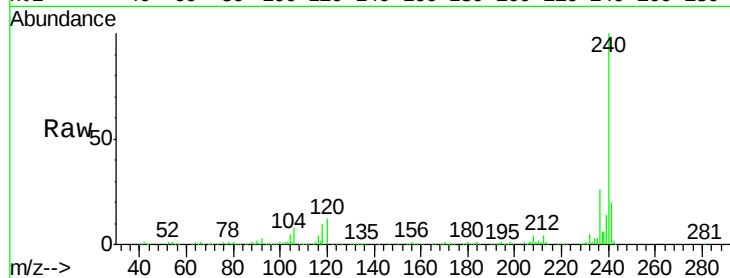
Tot Ion:240 Resp: 275719

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

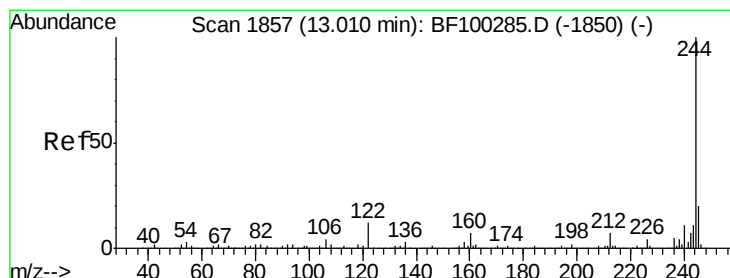
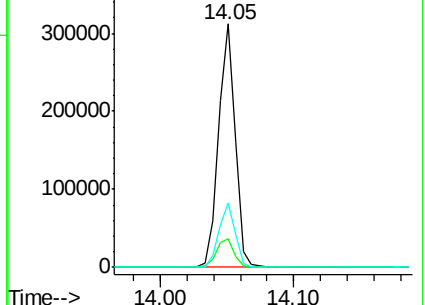
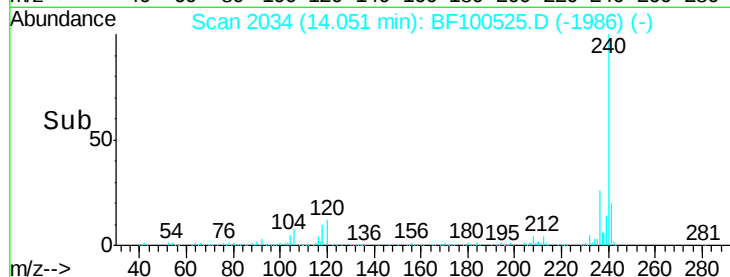
236 26.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 89.63 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF100525.D

Acq: 14 Nov 2017 5:27

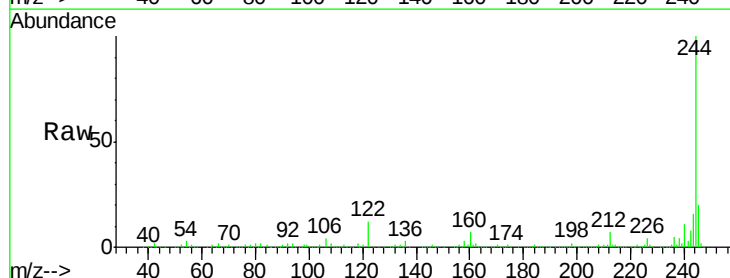
Tgt Ion:244 Resp: 1075519

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

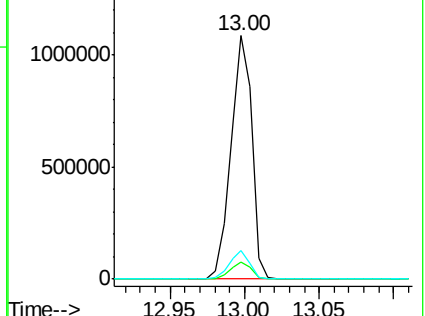
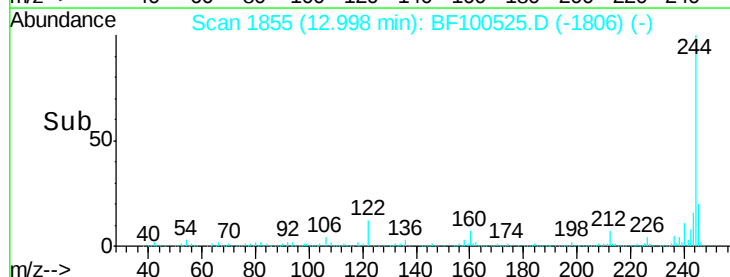
122 11.6 11.0 16.4

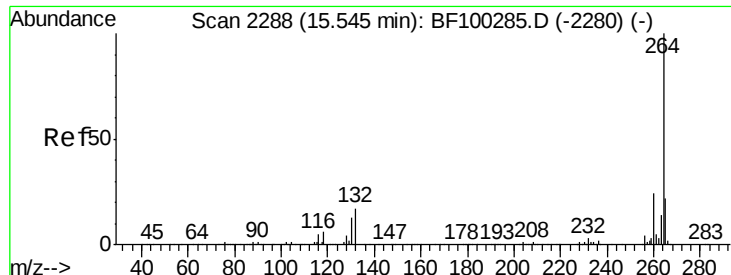


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

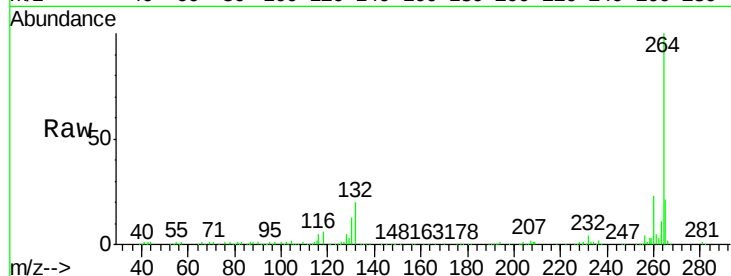




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. -0.02 min
 Lab File: BF100525.D
 Acq: 14 Nov 2017 5:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.8	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

