

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\
 Data File : BF082137.D
 Acq On : 8 Oct 2015 20:10
 Operator : UM/IZ
 Sample : G3960-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Oct 09 05:11:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 05:03:35 2015
 Response via : Initial Calibration

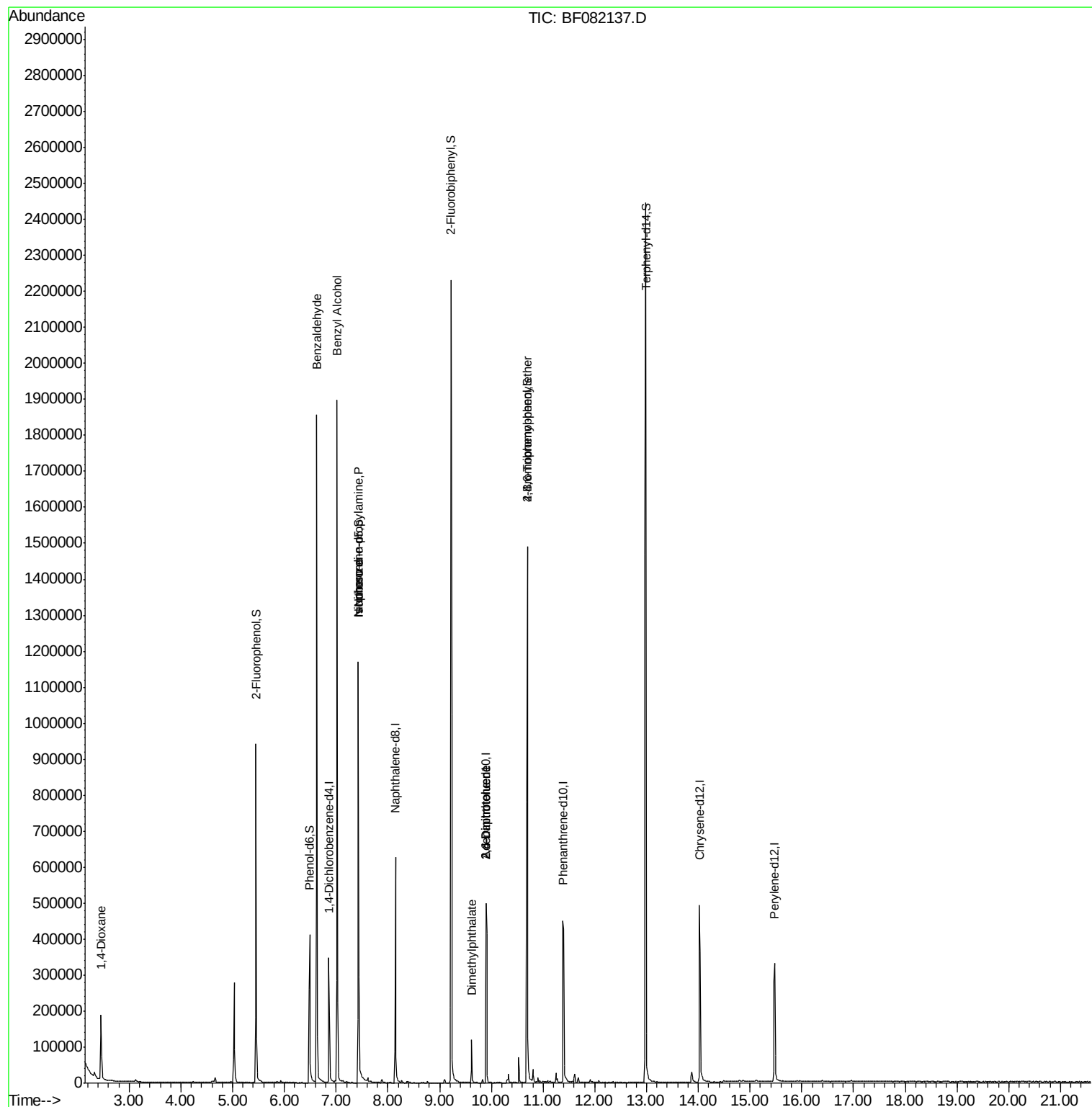
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	73137	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	305506	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	145552	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	293729	20.00	ng	0.00
75) Chrysene-d12	14.02	240	282867	20.00	ng	-0.02
86) Perylene-d12	15.48	264	210908	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	272106	67.54	ng	0.00
7) Phenol-d6	6.49	99	206916	40.81	ng	0.00
23) Nitrobenzene-d5	7.43	82	448304	97.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	226942	153.95	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	894734	108.66	ng	-0.01
78) Terphenyl-d14	12.98	244	1031713	144.87	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.46	88	99331	56.69	ng	88
9) Benzaldehyde	6.63	77	11340	3.42	ng	# 63
15) Benzyl Alcohol	7.02	79	7474	2.04	ng	# 31
19) n-Nitroso-di-n-propylamine	7.43	70	57052	18.52	ng	# 57
25) Isophorone	7.43	82	386821	42.58	ng	# 58
49) Dimethylphthalate	9.62	163	58369	5.81	ng	# 97
50) 2,6-Dinitrotoluene	9.90	165	17947	8.23	ng	# 37
56) 2,4-Dinitrotoluene	9.90	165	17948	6.45	ng	# 31
66) 4-Bromophenyl-phenylether	10.70	248	15461	5.22	ng	# 1
73) Di-n-butylphthalate	11.95	149	1851	Below Cal		# 78

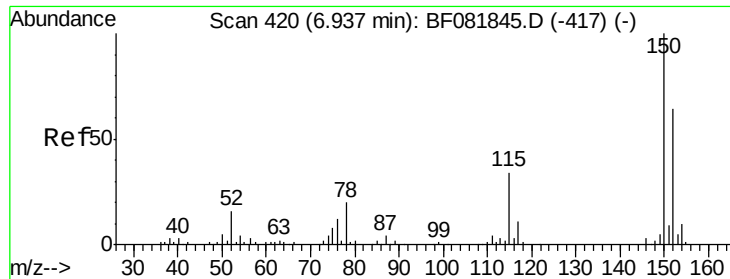
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

Instrument :

BNA_F

ClientSampleId :

MW-2

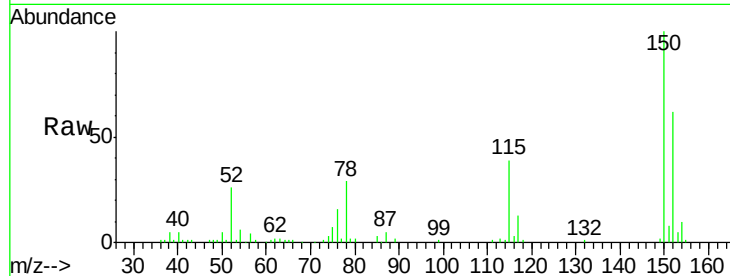
Tot Ion:152 Resp: 73137

Ion Ratio Lower Upper

152 100

150 161.9 124.7 187.1

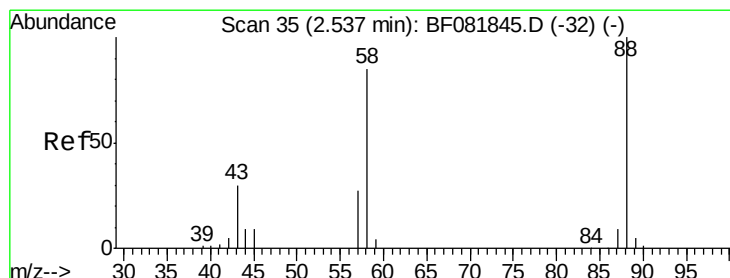
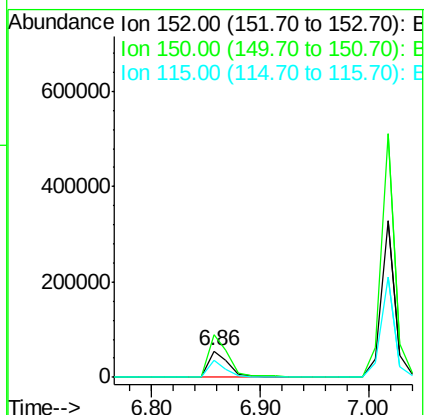
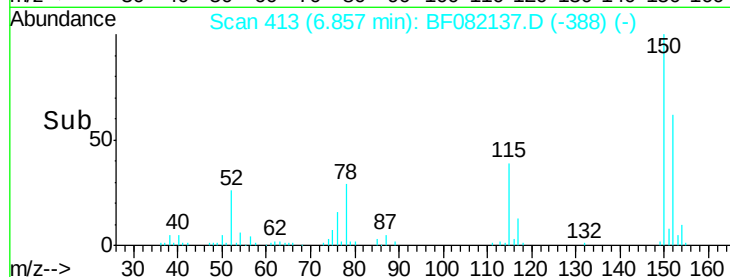
115 62.8 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 56.69 ng

RT: 2.46 min Scan# 28

Delta R.T. 0.03 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

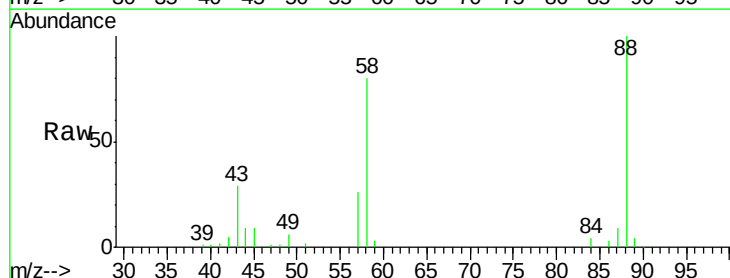
Tgt Ion: 88 Resp: 99331

Ion Ratio Lower Upper

88 100

58 83.5 77.7 116.5

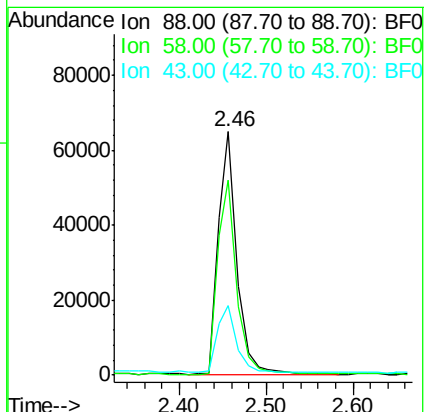
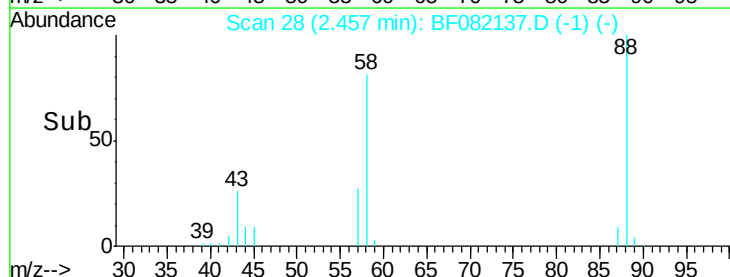
43 29.8 26.6 40.0

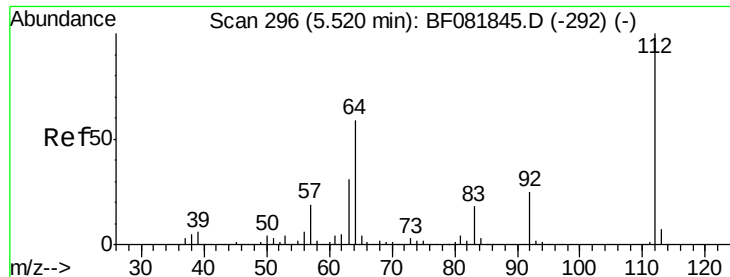


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 67.54 ng

RT: 5.45 min Scan# 290

Delta R.T. -0.00 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

Instrument :

BNA_F

ClientSampleId :

MW-2

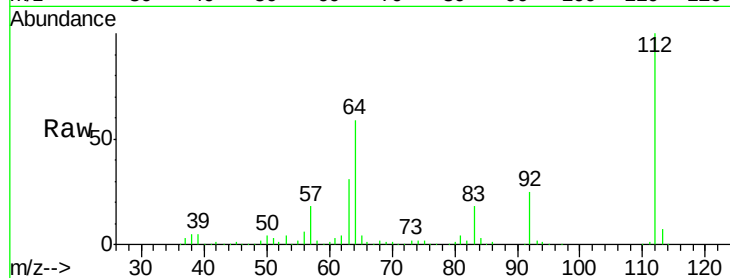
Tot Ion: 112 Resp: 272106

Ion Ratio Lower Upper

112 100

64 58.7 39.7 59.5

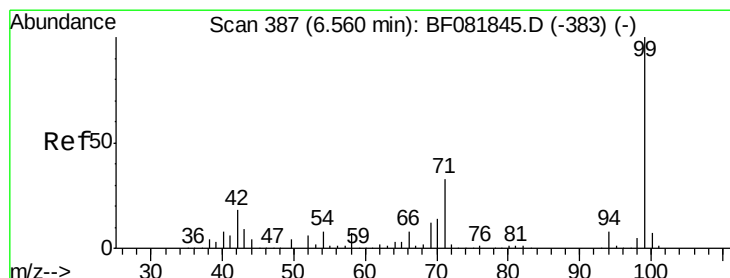
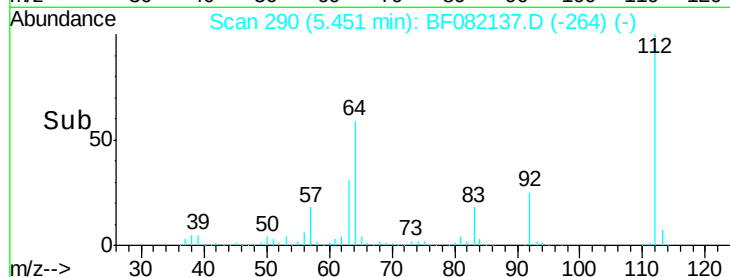
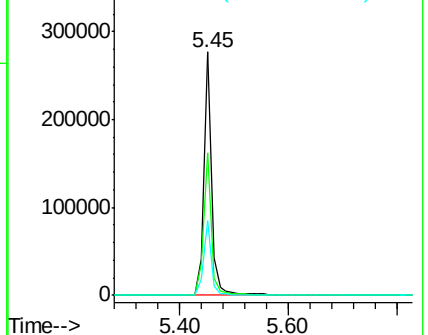
63 30.9 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 40.81 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

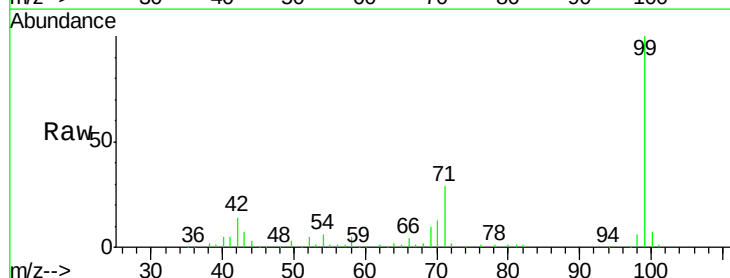
Tgt Ion: 99 Resp: 206916

Ion Ratio Lower Upper

99 100

42 13.5 13.7 20.5#

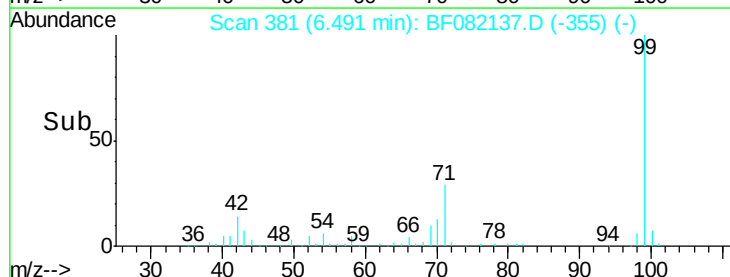
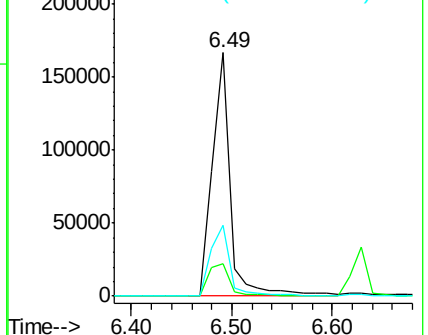
71 29.0 14.2 21.2#

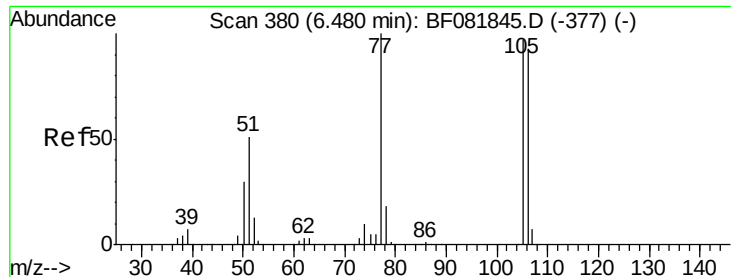


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.63 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

Instrument :

BNA_F

ClientSampleId :

MW-2

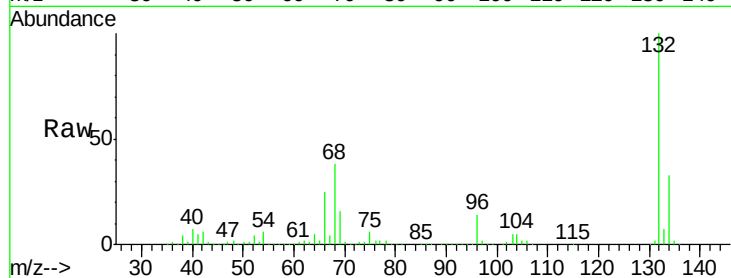
Tot Ion: 77 Resp: 11340

Ion Ratio Lower Upper

77 100

105 81.1 91.6 131.6#

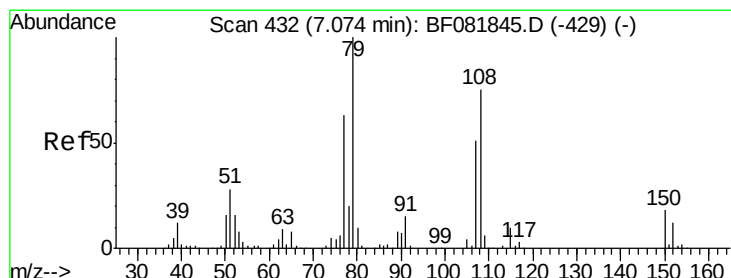
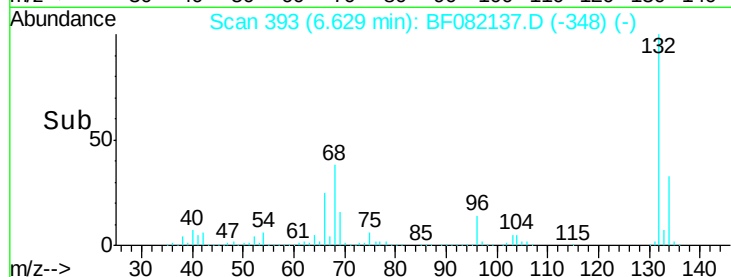
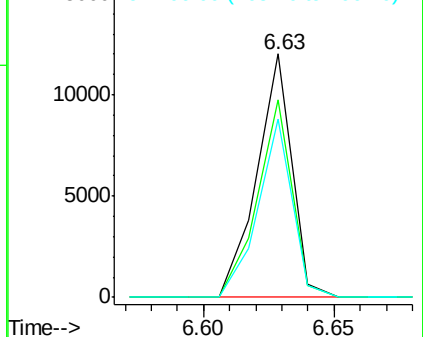
106 73.1 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 7.02 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

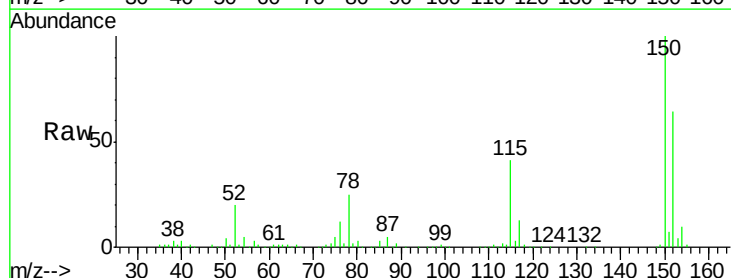
Tgt Ion: 79 Resp: 7474

Ion Ratio Lower Upper

79 100

108 30.0 88.6 132.8#

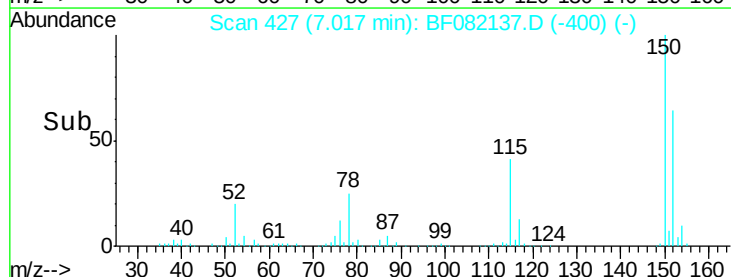
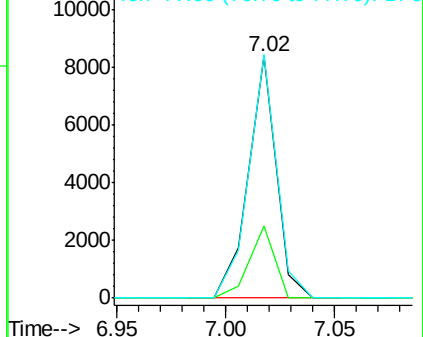
77 100.7 47.0 70.4#

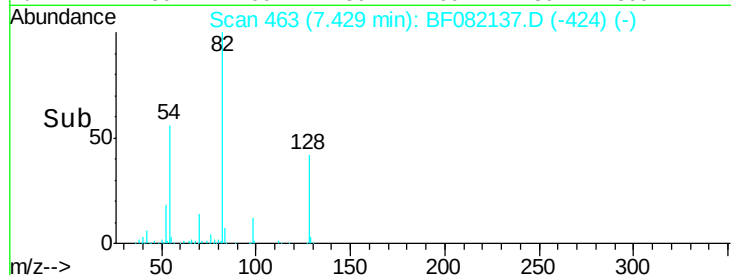
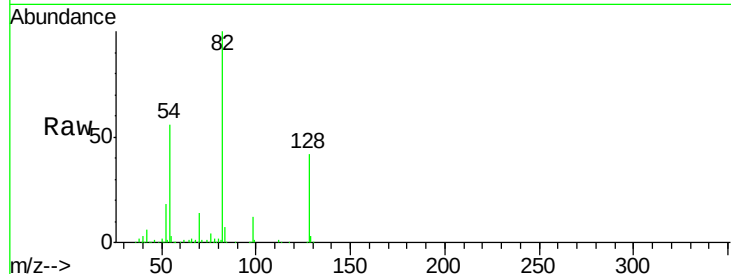
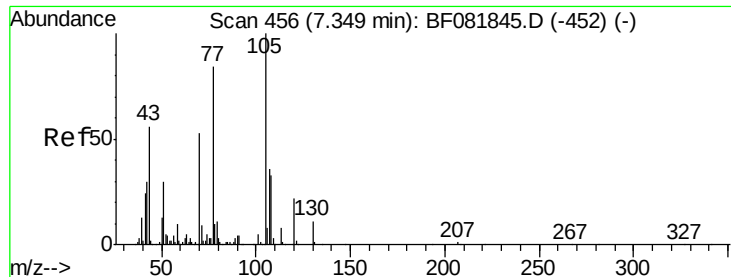


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

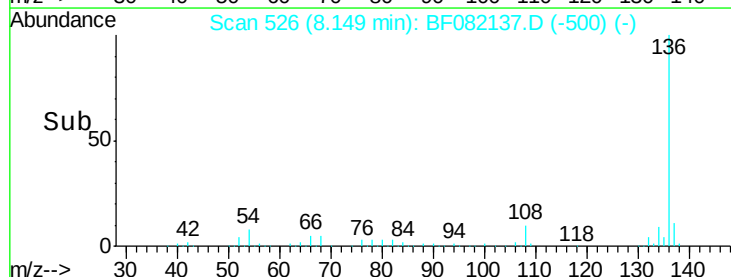
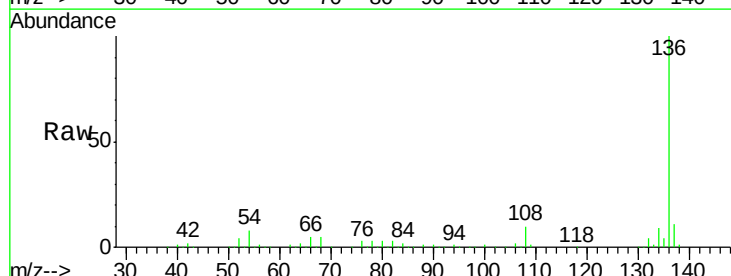
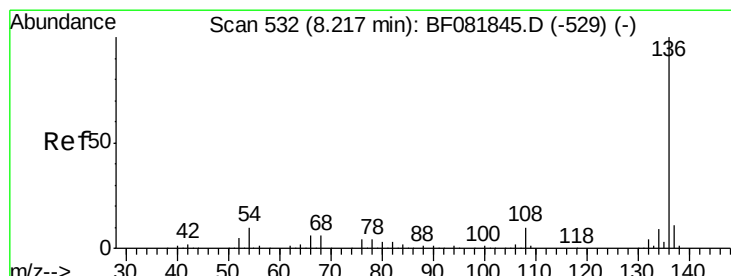
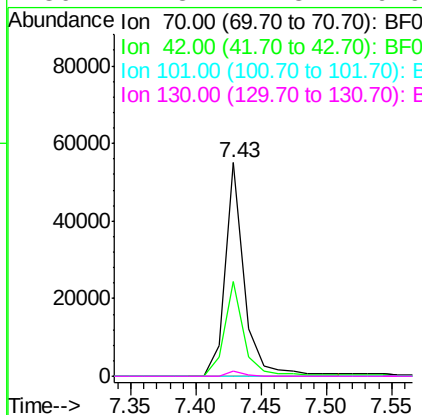




#19
n-Nitroso-di-n-propylamine
Concen: 18.52 ng
RT: 7.43 min Scan# 463
Delta R.T. 0.15 min
Lab File: BF082137.D
Acq: 8 Oct 2015 20:10

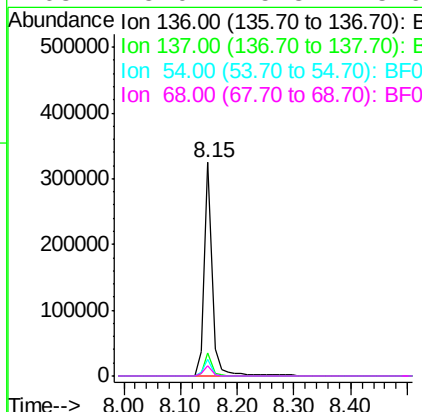
Instrument :
BNA_F
ClientSampleId :
MW-2

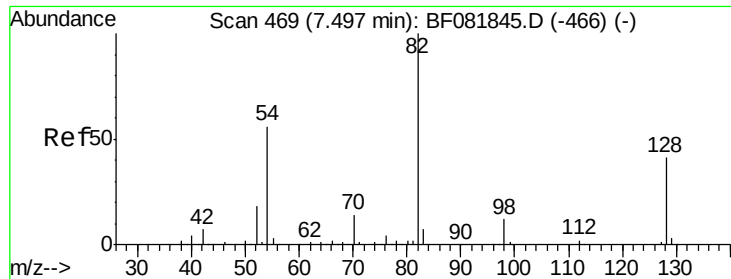
Tot Ion:	70	Resp:	57052
Ion	Ratio	Lower	Upper
70	100		
42	44.4	63.8	95.6#
101	0.0	9.2	13.8#
130	2.3	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF082137.D
Acq: 8 Oct 2015 20:10

Tgt Ion:	136	Resp:	305506
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.7	8.2	12.2#
68	5.0	5.8	8.6#

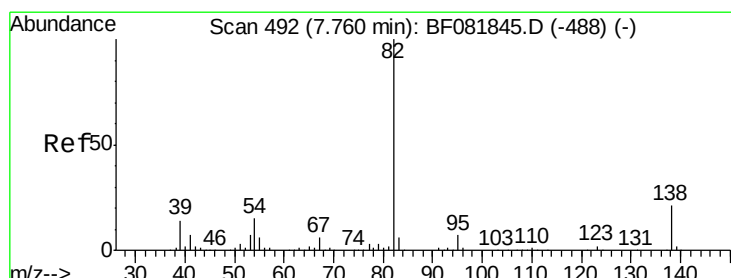
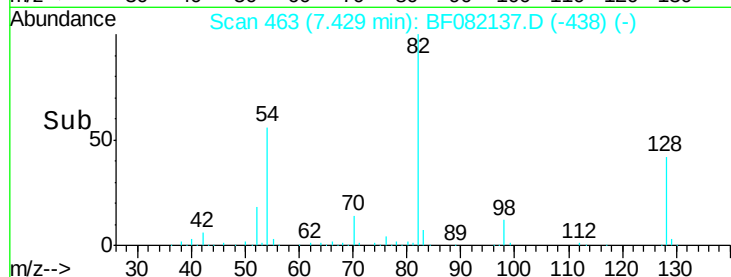
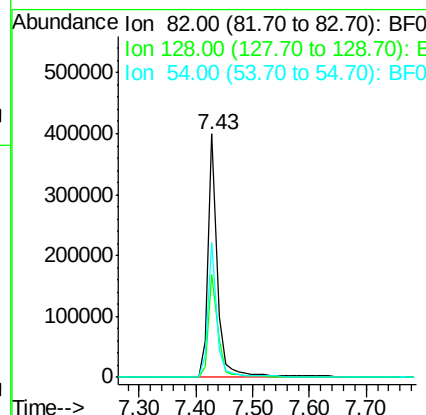
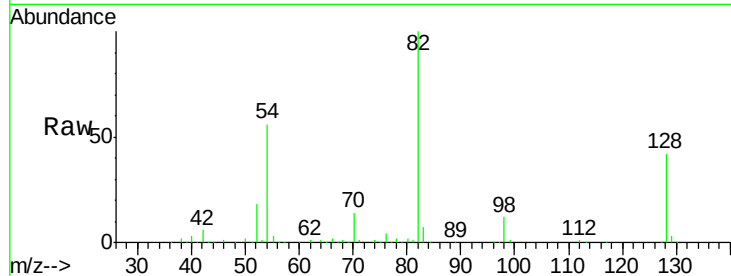




#23
 Nitrobenzene-d5
 Concen: 97.82 ng
 RT: 7.43 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

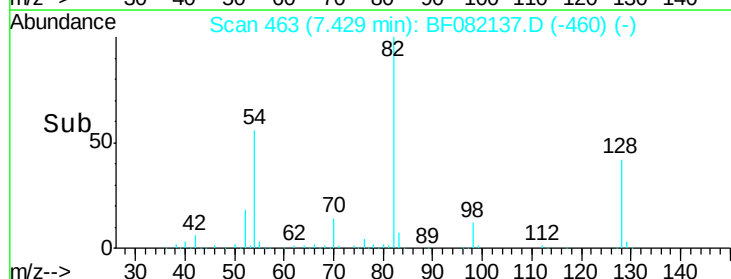
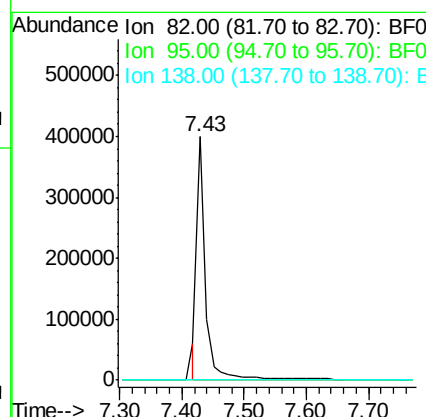
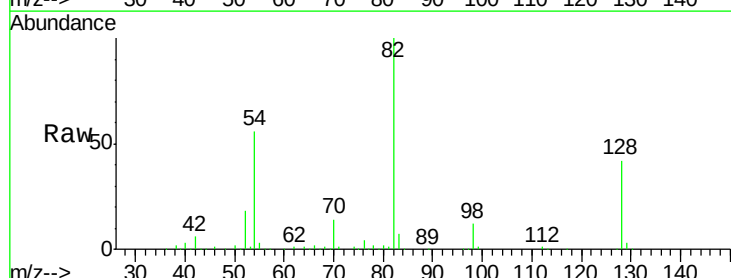
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

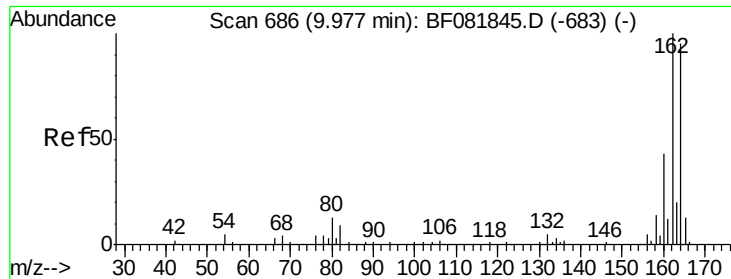
Tot Ion: 82 Resp: 448304
 Ion Ratio Lower Upper
 82 100
 128 42.4 51.0 76.6#
 54 55.5 47.5 71.3



#25
 Isophorone
 Concen: 42.58 ng
 RT: 7.43 min Scan# 463
 Delta R.T. -0.26 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

Tgt Ion: 82 Resp: 386821
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#

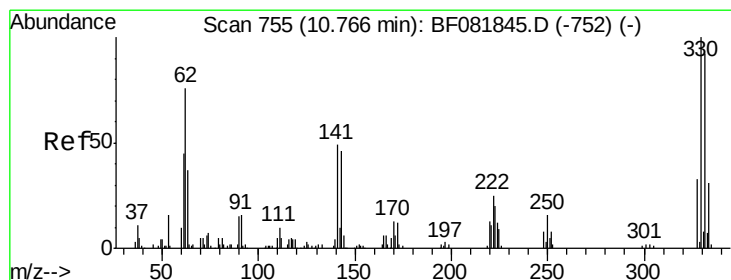
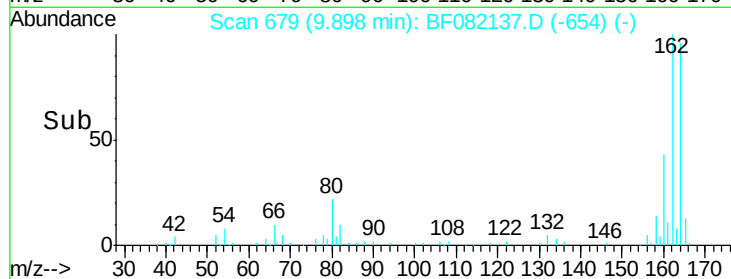
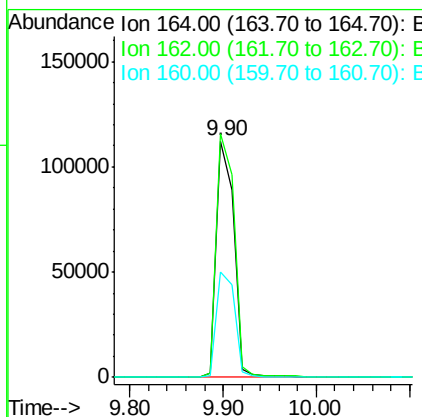
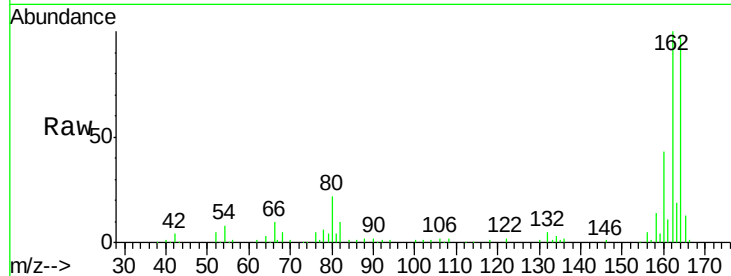




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

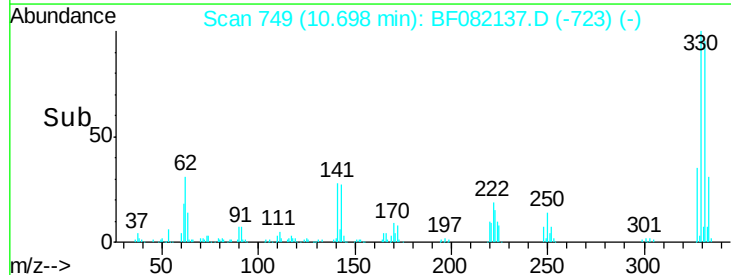
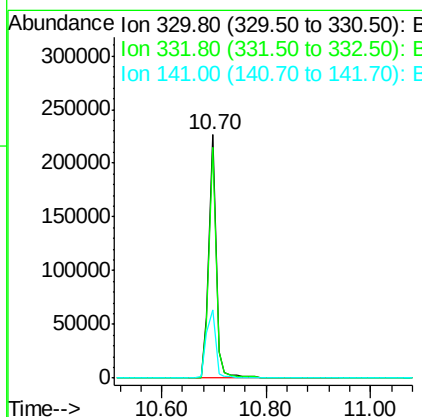
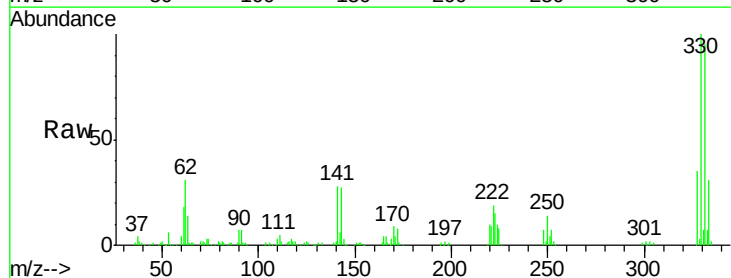
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

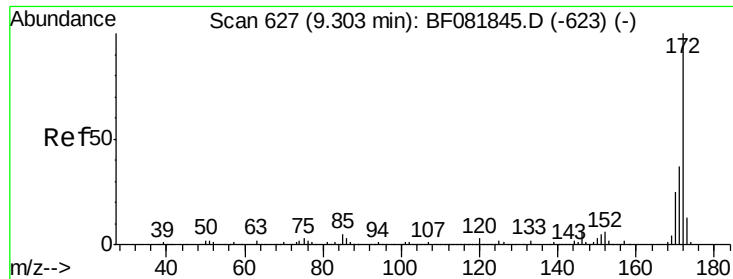
Tot Ion:164 Resp: 145552
 Ion Ratio Lower Upper
 164 100
 162 103.2 75.2 112.8
 160 44.4 31.5 47.3



#41
 2,4,6-Tribromophenol
 Concen: 153.95 ng
 RT: 10.70 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

Tgt Ion:330 Resp: 226942
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 114.8
 141 35.1 29.7 44.5

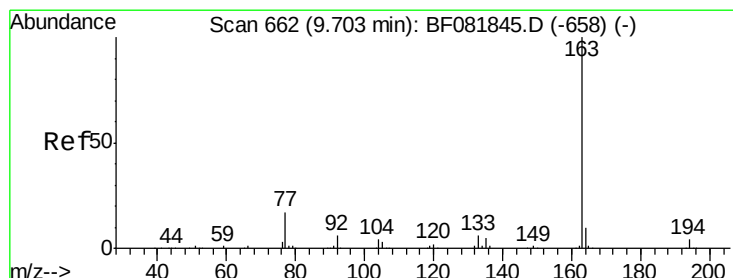
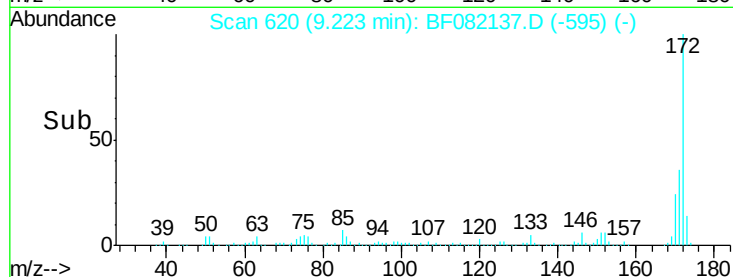
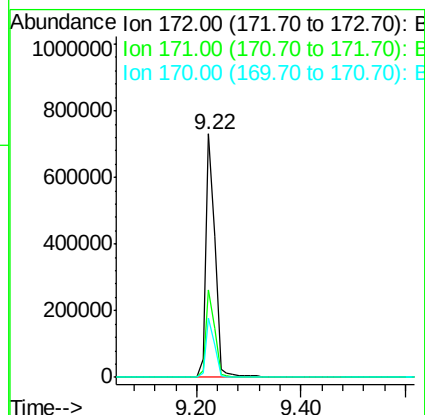
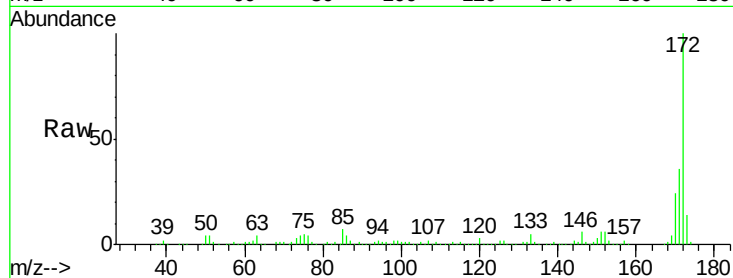




#44
 2-Fluorobiphenyl
 Concen: 108.66 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

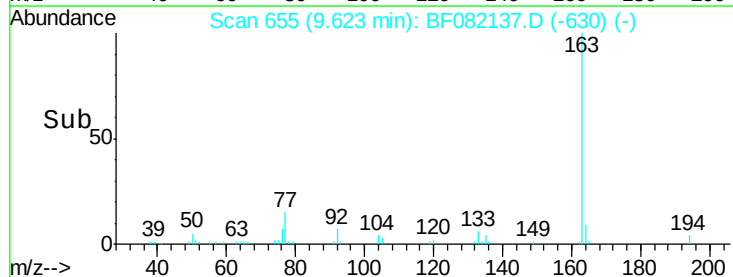
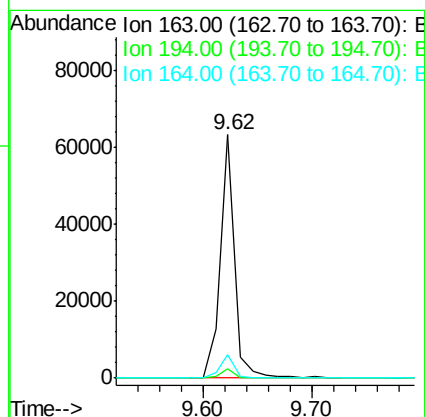
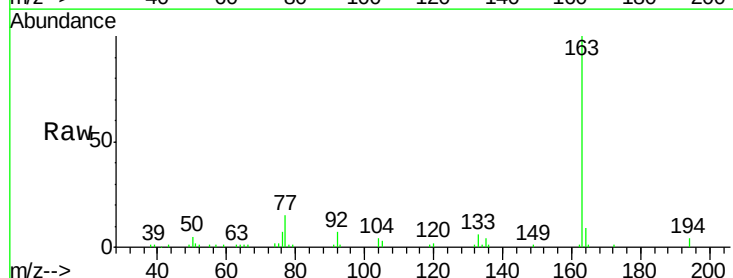
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

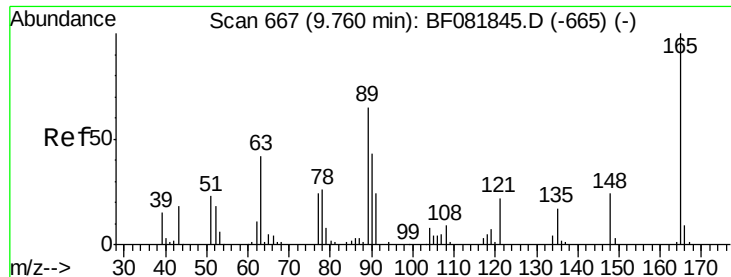
Tot Ion:172 Resp: 894734
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.1 39.1
 170 24.3 17.4 26.2



#49
 Dimethylphthalate
 Concen: 5.81 ng
 RT: 9.62 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

Tgt Ion:163 Resp: 58369
 Ion Ratio Lower Upper
 163 100
 194 3.9 4.4 6.6#
 164 9.5 8.3 12.5

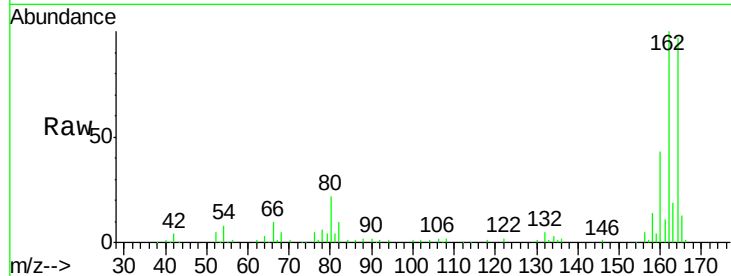




#50
 2,6-Dinitrotoluene
 Concen: 8.23 ng
 RT: 9.90 min Scan# 679
 Delta R.T. 0.19 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

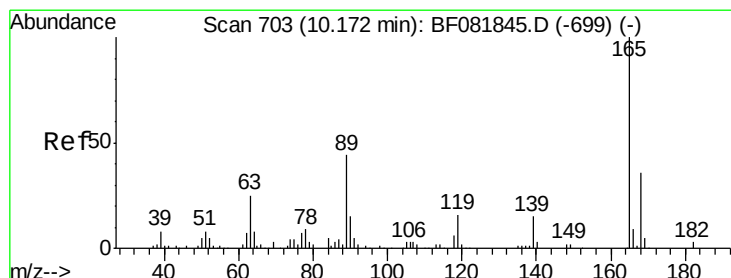
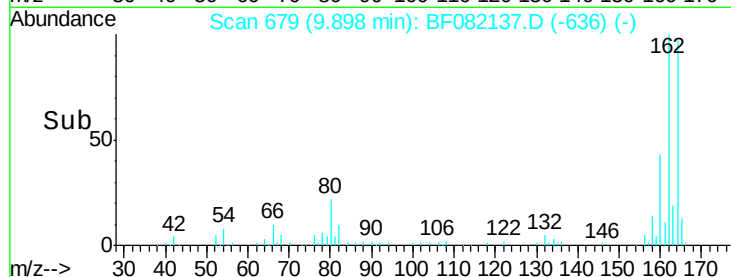
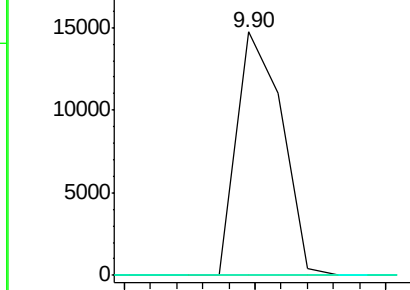
Tot Ion	165	Resp	17947
Ion Ratio	Lower	Upper	
165	100		
63	0.0	32.3	48.5#
89	0.0	28.6	43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.21 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

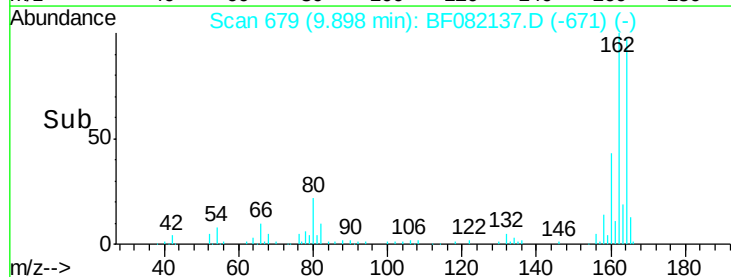
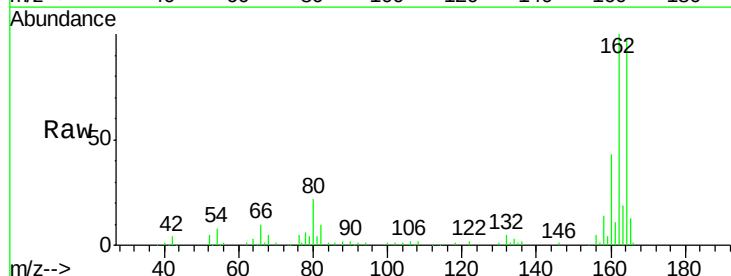
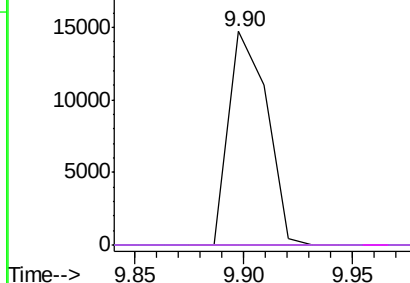
Tgt Ion	165	Resp	17948
Ion Ratio	Lower	Upper	
165	100		
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#

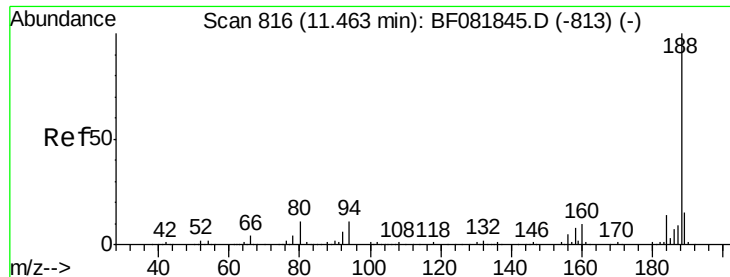
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

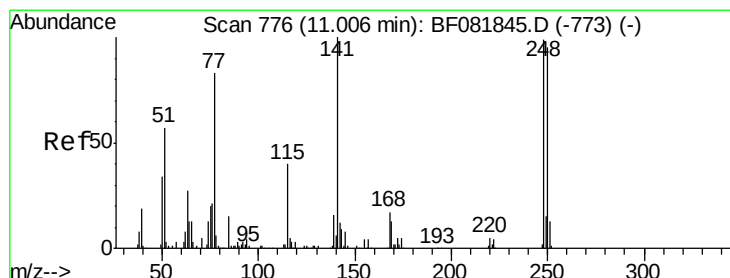
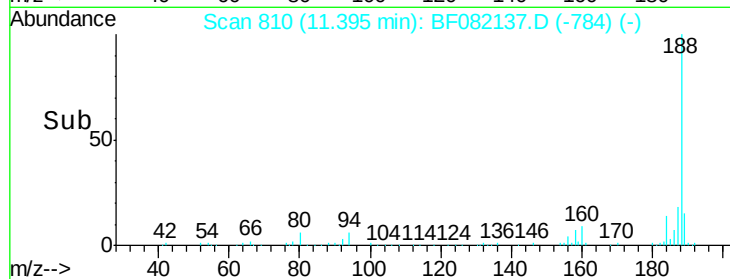
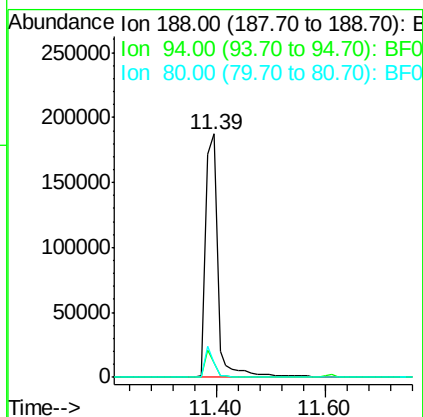
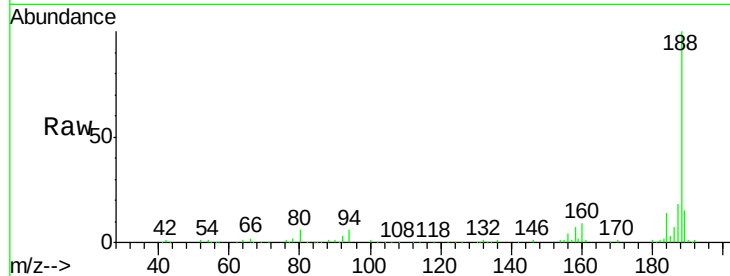




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

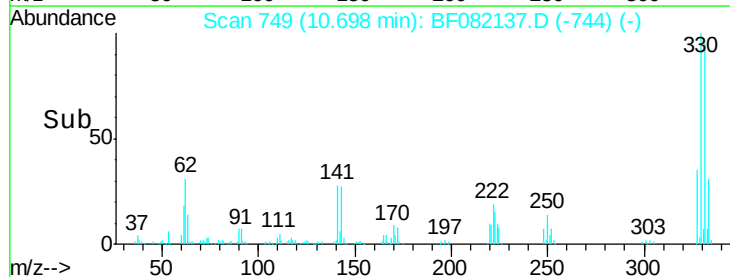
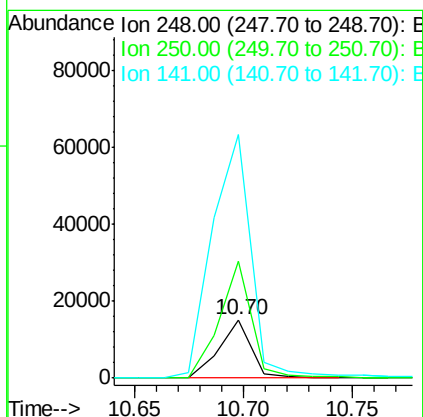
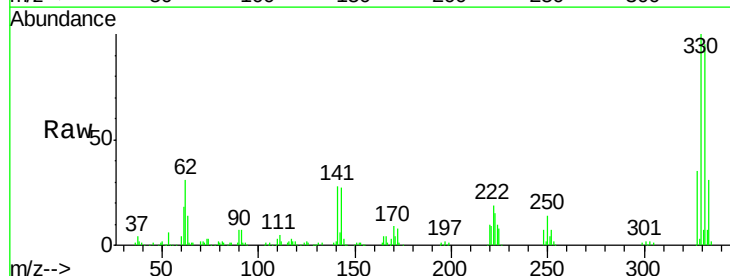
Instrument :
 BNA_F
 ClientSampled :
 MW-2

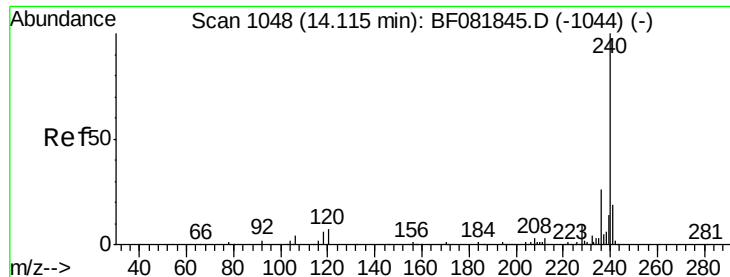
Tot Ion:188 Resp: 293729
 Ion Ratio Lower Upper
 188 100
 94 5.8 11.1 16.7#
 80 6.0 11.0 16.4#



#66
 4-Bromophenyl-phenylether
 Concen: 5.22 ng
 RT: 10.70 min Scan# 749
 Delta R.T. -0.24 min
 Lab File: BF082137.D
 Acq: 8 Oct 2015 20:10

Tgt Ion:248 Resp: 15461
 Ion Ratio Lower Upper
 248 100
 250 202.6 78.5 117.7#
 141 419.9 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

Instrument :

BNA_F

ClientSampleId :

MW-2

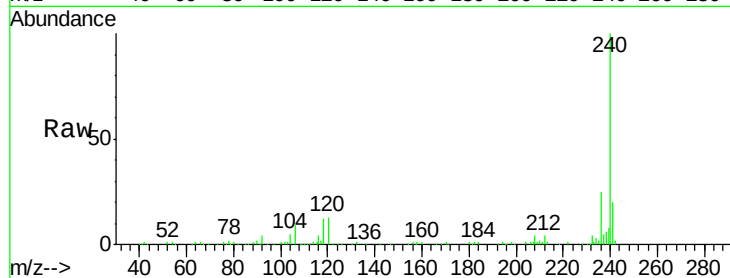
Tot Ion:240 Resp: 282867

Ion Ratio Lower Upper

240 100

120 13.1 16.2 24.2#

236 25.3 18.4 27.6

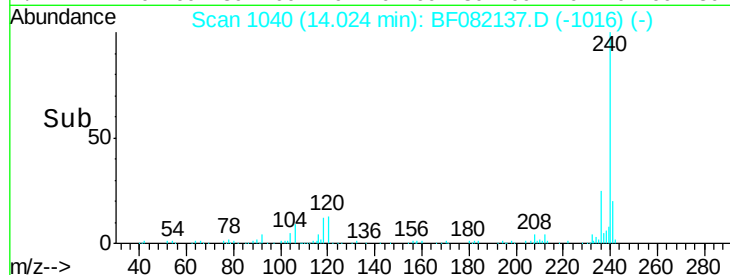


Abundance Ion 240.00 (239.70 to 240.70): E

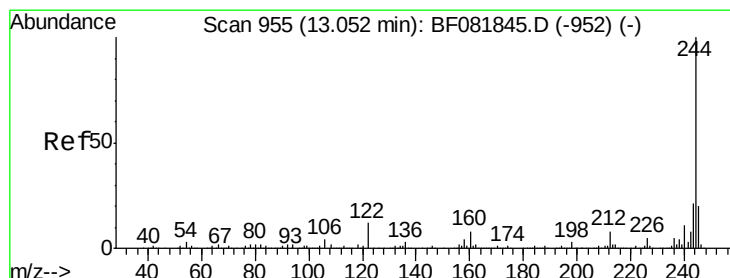
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.02



Time-->



#78

Terphenyl-d14

Concen: 144.87 ng

RT: 12.98 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF082137.D

Acq: 8 Oct 2015 20:10

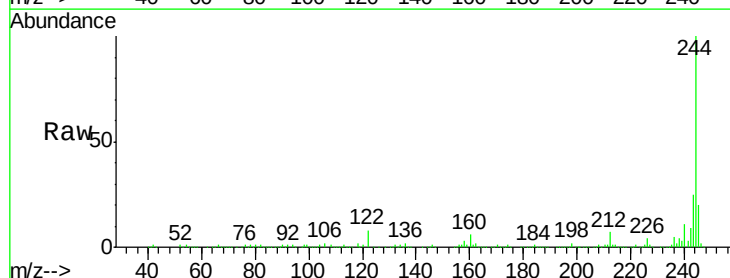
Tgt Ion:244 Resp: 1031713

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

122 7.7 17.4 26.2#

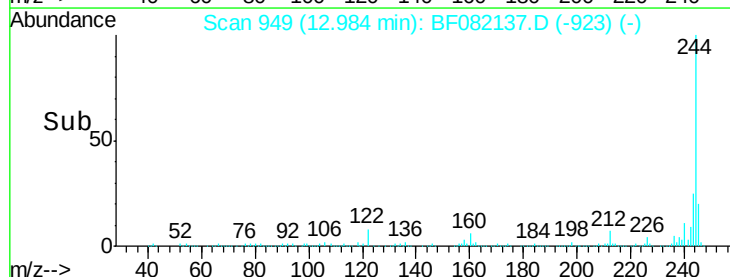


Abundance Ion 244.00 (243.70 to 244.70): E

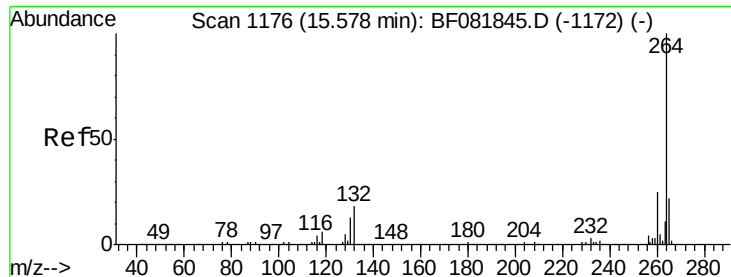
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.98



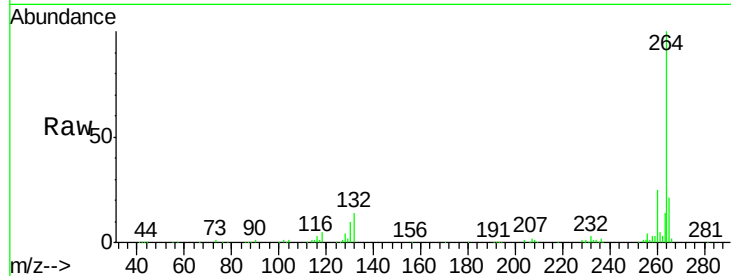
Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF082137.D
Acq: 8 Oct 2015 20:10

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.5	16.7	25.1	
265	21.4	17.2	25.8	



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

